

402 20333 42143 21307 12798 83327 10011 34433 70021 00
 314 14463 8581 19593 40593 81388 64568 12455 85781 53
 246 01075 18002 14984 53393 41368 28085 56955 58686 71
 157 41 61170 60688 60256 62652 95683 82429 48 73
 746 689 83090 07192 86437 57524 18135 26488 18047 03
 153070 90593 49368 69186 23536 24132 59165 58743
 133064 10809 86213 04685 69443 06040 32078 97693
 707856 15621 15647 84325 08096 41943 76712 55903
 384412 13741 37600 24052 72499 22656 72902 45307
 060 445 00441 53297 13677 27032 31016 61517 64 59
 343 4 37562 11190 26037 10692 45472 98800 15359 85
 390 7159 383 86835 09964 69719 42008 1038 34633 46
 507 96348 383 86835 09964 69719 42008 1038 34633 46
 715 26831 32045 36714 12449 98835 01078 60073 33264 51

Numbers & Oddities

Edition #346, July 2026

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" covers the fascinating world of Numbers Stations
and other odd radio signals on shortwave.

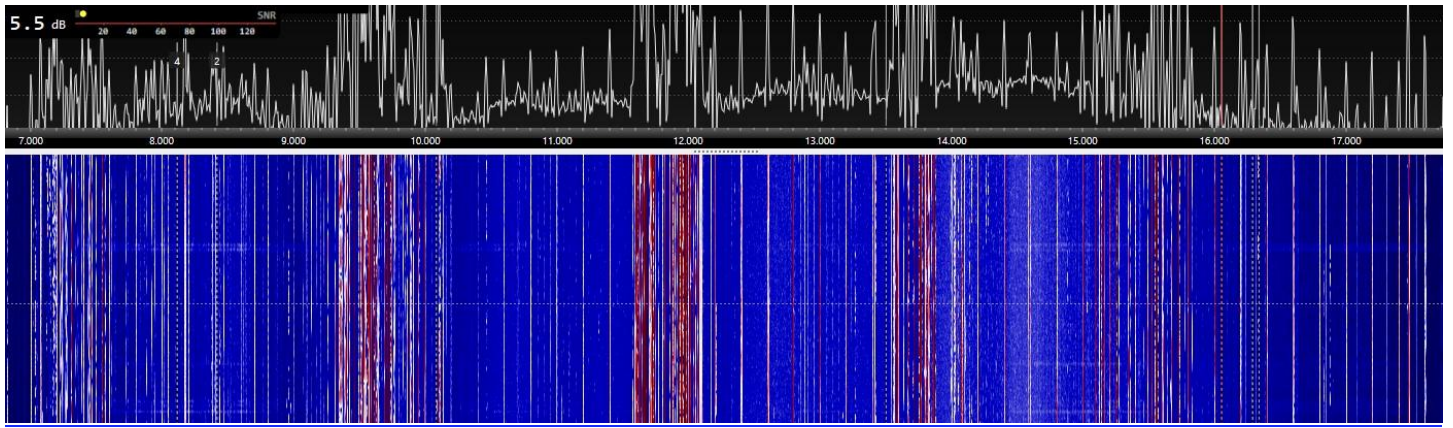


-. .- -- -... . -- - .-.. --- -.. -.. .. -

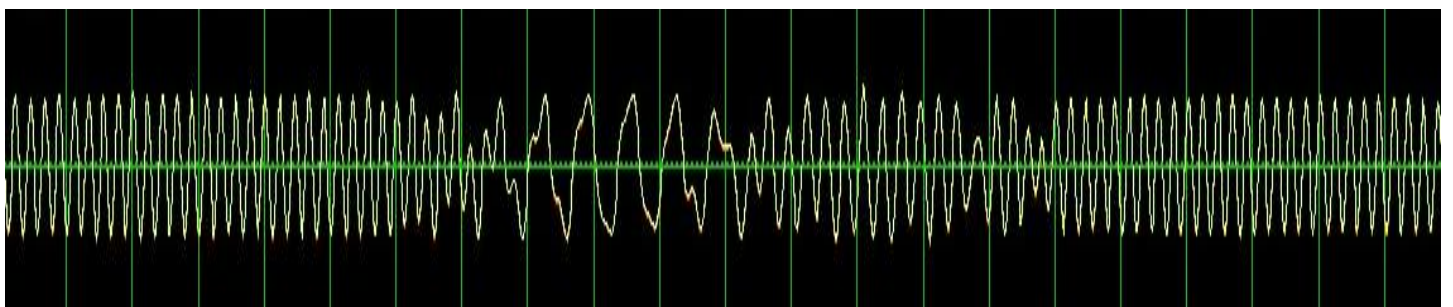


Numbers and Oddities

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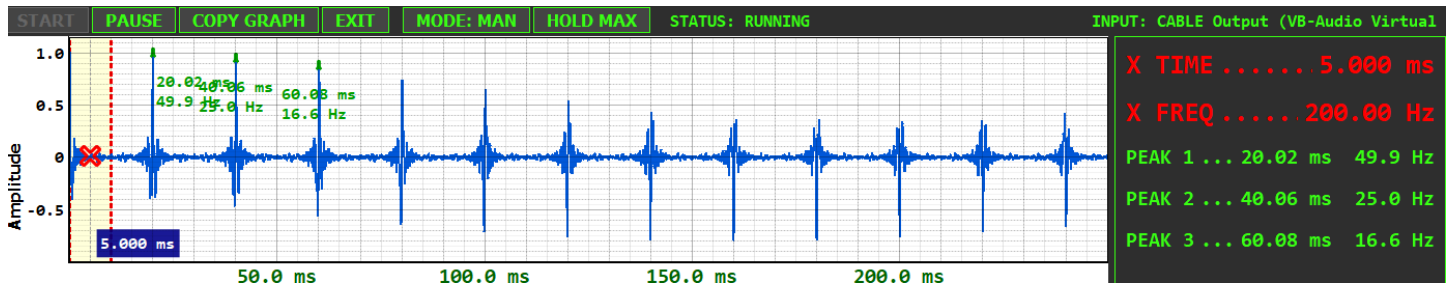
NOTE FROM THE EDITOR

It was, and still is bloody hot here. Often too hot to operate the radio. Nevertheless, we have many logs for you from only a handful of contributors. Thank you !

PY still had a few old M12 logs lying around, which he forwarded to us. M23 was active for a while, and also we have some M51a transcripts. Last, but not least, we are happy to introduce new ACF software.

Angazu and Claude created a nifty tool: ACF_audio for UDXF

ACF_audio for UDXF listens to your default audio input in real time and continuously computes its autocorrelation function (ACF) — a way of finding periodic structure (repeating patterns, tones, keying) in the incoming signal. The result is plotted as Time (0–250 ms) versus normalized Amplitude (–1 to +1), refreshed several times per second. The program also finds the **3 strongest peaks** on the trace automatically and reports the time and equivalent frequency of each one.



You can download your copy from our website.

Windows version: https://udxf.nl/ACF_UDXF_Windows.zip

macOS and Linux versions: https://udxf.nl/ACF_UDXF_macOS_Linux.zip



VOICE STATIONS

E07

19235 /18368/17421 kHz, 1000/1020/1040 UTC

19235/18368/17421 kHz, 02-07/04-07, 1000/1020/1040 UTC

234 234 234 1 6921 109 6921 109
54973 80338 95908 01693 71544 65197 87409 53062 49906 31807
56171 39515 71170 33525 65380 95434 25031 63751 70536 80237
27150 12512 90505 65119 98403 61174 72634 82752 76194 52726
48511 51905 60276 11795 35376 21851 80151 09933 11099 44699
65553 52836 60183 89540 03518 64029 41958 14378 46957 37196
12891 03566 28898 51227 93479 04706 81161 39093 52550 66267
50423 92779 34630 50532 21631 22405 27695 03020 00143 14160
81808 18088 43068 18680 05741 13762 69907 03805 04425 80440
31077 07753 42707 38515 60164 21310 30781 90939 01952 36586
68095 93075 53162 10349 34204 48981 41631 70490 37529 04298
70096 75029 35613 33873 18592 20419 26376 98131 57805 000 000

19235/18368/17421 kHz, 16-07/18-07, 1000/1025/1053 UTC

19235/18368/17421 kHz, 16-07/18-07, 1000/1020/1040 UTC

16-07, 1025z: restart after group 101

234 234 234 1 1144 181 1144 181
21372 16681 03525 03506 07368 02168 39967 85747 62205 15445
24189 51005 62585 24518 95330 94596 71286 58034 86210 56513
28647 86664 70402 76241 53688 23556 30263 88466 07976 65784
97237 14224 96138 41975 69401 92846 70659 96686 60306 74003
36415 92950 19476 39749 97234 40469 54648 96442 11433 01696

20686 75970 08569 56434 48897 80015 58799 74580 87032 28912
01748 38896 56222 76980 41081 22485 05896 91656 59800 52915
25512 41224 78732 40956 61230 03222 16218 82723 33842 26449
32017 85250 08280 80927 75062 90725 19885 16109 63582 08192
28293 32238 52839 99178 92885 15149 33151 94549 67790 22614
30369 88758 29009 40087 96306 23689 01580 83551 81099 11425
14492 99557 91457 82937 05896 65412 46006 13782 97621 40704
59594 17567 81811 03750 36219 71693 49223 76245 63914 78331
21335 61470 44678 91713 96470 42386 63173 40839 65554 22415
06226 42576 44250 36337 29443 17384 27891 55598 99012 27468
57995 57717 32076 35918 28780 82182 93179 01551 56832 06104
58589 59653 77190 88204 87659 58765 01994 72029 84975 01543
70752 21666 30825 87059 27083 56811 70789 56824 90637 89951
10187 000 000

19235/18368/17421 kHz, 30-07, 1000/1020/1040 UTC

234 234 234 1 1091 176 1091 176
47273 89056 18752 85708 16820 18921 71488 10997 23816 61951
88972 16895 27514 65537 93057 34312 19396 39491 56351 51540
18874 04492 33368 56431 53728 10160 48047 48548 12108 78100
55251 65206 48474 19510 33785 02692 96844 20131 56060 53753
70414 48900 66841 76233 82769 00653 90288 98298 81835 13988
52162 55977 05928 17246 96116 01034 19476 64675 57325 00472
59404 77742 70924 80351 55819 06973 64641 17192 36585 68431
45189 98541 57717 25924 95432 25539 89389 33966 53110 01493
35883 48074 87788 98701 18353 66451 93048 54339 88607 23680
64958 11813 34949 28602 10622 95991 13257 14184 93395 54299
33728 85491 23602 93795 43350 57837 84137 54618 39048 06987
20751 91036 59788 34852 50989 51438 67438 74236 31801 59381
10524 70079 84764 57189 27358 56227 21726 27757 03248 80805
52866 61439 31334 10469 31300 68209 75654 12296 16052 14955
41348 77702 05022 30515 75738 72429 91441 40447 19043 19708
73571 82795 10482 98741 99244 30206 80193 92962 88667 01218
32239 14269 19749 50535 01499 63232 29348 22829 25189 54579
78895 34844 20200 33586 49281 33596

16332/18332/19132 kHz, 1500/1520/1540 UTC

16332/18332/19132 kHz, 07-07/10-07, 1500/1520/1540 UTC

231 231 231 1 979 122 979 122
30996 17150 81280 00328 47444 95480 55843 11418 07500 23731
77646 22944 03251 76311 25641 05650 79228 57895 97918 39346
38266 00248 79882 95055 51629 73048 30378 91773 49631 33418
90840 22034 72014 21970 73542 83121 69657 44814 98206 70281
86709 99024 94819 16075 79207 58802 46394 77987 91495 94752
45151 57205 26141 18328 21736 83718 10518 18075 10792 57847
34492 63800 67386 61163 28897 31431 45835 07552 00021 98994
79970 69646 18549 41348 38623 52474 07705 05174 56895 77084
71986 74559 46771 66522 71640 64452 40878 72869 71792 44515
34982 85952 55036 32849 86912 59630 61703 30357 99818 62436
43750 22397 10511 15678 03443 53578 17669 03885 63804 19618
15833 97993 14524 11726 06499 86206 82447 53884 00626 07303
42842 44086 000 000

16332/18332/19132 kHz, 21-07/24-07, 1500/1520/1540 UTC

231 231 231 1 981 190 981 190
54692 30115 67156 07805 17398 88883 82447 17431 58040 32939
62901 18406 33052 04853 06089 30121 64419 52496 67189 18736
10526 60131 54885 32143 87461 74581 89906 61257 84131 11375
64740 31227 72052 35417 96415 47120 19799 54696 89204 35953
91489 96532 37123 47901 04201 68654 54112 91653 50598 63342
35865 95543 05846 20909 45291 50543 93880 76499 32403 26918
35573 59554 95500 65203 63927 73172 60152 07386 94948 45141

88575 29188 36123 42466 00760 00470 71082 04440 76319 49878
01844 10901 63009 77466 44836 38652 51602 69657 08892 16274
24157 56587 15040 78901 11508 23583 55599 51009 74082 37609
70380 48660 82452 86803 37783 11432 37979 73320 37472 29882
36021 23641 05680 07638 13405 15330 65982 54201 87711 74774
47582 24042 56621 24067 04155 87404 28104 58719 79327 49974
65145 25728 95551 84635 99431 73235 74929 04742 17236 05482
38179 31573 16587 95362 95836 10557 94905 69195 11582 62287
81209 86739 36200 22942 20126 25472 14076 09048 56787 95457
17283 18683 79096 84358 87044 46193 51576 25208 16243 01128
79285 01669 61612 31250 35636 32583 87463 60657 80273 96035
76109 02488 57393 10538 30830 11953 37539 47729 79025 42622
000 000

E11a

17378 kHz, 01-07, 0820 UTC. Repeat of 30-06

138/34 Attention

56403 88084 61727 46603 59658 05682 01919 59116 50247 92888
45000 81972 14793 28732 45848 81934 83879 09954 62028 74751
53506 06514 18962 52868 13229 79909 18156 30060 54459 83720
34441 31790 82809 48562

Attention (message repeated) Out

20640 kHz, 02-07, 0745 UTC

225/32 Attention

34100 08728 15380 21662 60700 53443 98943 35589 05472 93728
00927 28083 77239 41402 16005 23893 59567 99285 78909 77647
21226 37743 20704 28159 23958 72444 09528 95963 48732 60200
67266 02283

Attention (message repeated) Out

5737 kHz, 02-07, 1300 UTC

319/36 Attention

29206 92643 41977 68242 24381 52974 64147 31147 83431 09638
55699 88693 59325 56746 36198 87653 16770 28278 43249 53665
68701 93329 59830 99509 62058 41844 86772 48126 27485 91945
72997 94467 90733 88628 23019 76055

Attention (message repeated) Out

12153 kHz, 03-07, 1000 UTC

304/32 Attention

38180 33956 10415 46516 52919 69115 21758 53608 00014 86350
60674 32563 43324 84723 49759 41180 49372 93408 48213 06679
68337 34692 96559 12191 41206 36450 50150 81748 17077 27028
38847 15730

Attention (message repeated) Out

7377 kHz, 04-07/05-07, 0700 UTC

498/39 Attention

95513 81501 17132 79593 60438 46880 85558 37512 18719 26419
16809 96621 13740 32538 23194 43550 92629 87367 46068 52854
27209 63048 71368 28090 29583 21281 46750 59583 48866 25702
30615 09898 76120 35488 06087 96985 11590 51952 94610

Attention (message repeated) Out

12984 kHz, 04-07, 1430 UTC

918/38 Attention

37181 27574 05983 24801 49485 68392 89977 15235 24389 84195
00817 14240 77957 92557 24778 40965 68386 37596 55736 45258
44459 86025 18316 24344 45042 80307 98578 76511 96302 65380
13886 69836 53250 86962 51785 29218 09385 48805

Attention (message repeated) Out

5082 kHz, 04-07/05-07, 1645 UTC

364/40 Attention

17682 12833 91635 81717 75178 00662 20721 60593 47765 49783
55734 43052 76220 11574 55925 88431 47523 23375 78452 85815
71471 33152 05473 64992 92924 63825 48276 28708 80340 68868
94641 96758 29660 32804 98052 01884 97718 79754 88790 05642

Attention (message repeated) Out

14410 kHz, 05-07, 1745 UTC

248/40 Attention

03520 14778 11875 46961 80082 65203 59999 42748 34793 42051
74020 97206 30132 24365 26067 47567 30553 05960 80426 79614
86456 01423 63860 09195 35372 19379 72488 50894 25149 68553
23598 56549 48745 01080 53044 43688 23983 46662 82157 78839

Attention (message repeated) Out

21906 kHz, 06-07, 0600 UTC. Not repeated on 08-07

940/34 Attention

72356 38930 04286 97228 20923 72870 18212 60270 87149 49710
74959 98979 90762 86002 87605 81997 62947 62423 73280 45637
57295 93953 89754 99675 59720 43486 89449 66932 59955 70638
46740 36740 31441 89049

Attention (message repeated) out

9610 kHz, 06-07/09-07, 0745 UTC

267/34 Attention

88143 15801 46284 08369 17923 29894 37869 91408 77223 25352
98575 52839 79993 02232 50739 74556 34369 57069 12095 77310
81650 20666 31385 36019 61654 39860 91415 67517 82143 30614
11426 48852 02485 78314

Attention (message repeated) Out

16335 kHz, 06-07, 0830 UTC. Not repeated on 10-07

182/34 Attention

21708 05115 70123 06907 73360 09177 25234 82819 07011 93855
20933 77386 96169 58636 50108 06585 13032 84673 39750 15406
71507 86425 93513 82973 11602 02809 90340 20302 14815 86894
60963 51366 37787 59591

Attention (message repeated) Out

10210 kHz, 06-07, 1045 UTC. Not repeated on 08-07

690/34 Attention

11388 02941 15842 64888 18973 23169 75724 80507 23552 99408
20591 76802 79924 80263 15014 92471 56346 77074 02272 09639
17707 29142 61446 67311 19077 71171 62263 16705 04895 66854
03325 54428 15825 44494

Attention (message repeated) Out

11092 kHz, 07-07/09-07, 0645 UTC

519/36 Attention

55607 24319 21009 44529 67044 86470 59688 98070 17233 18803
48054 30977 37305 79906 47209 57040 17207 14786 83123 39223
86424 56027 83681 92521 83082 56721 25209 39877 96537 44079
21297 13563 98378 24418 13867 76443

Attention (message repeated) Out

19184 kHz, 07-07/09-07, 0845 UTC

150/34 Attention

34265 57485 52178 31460 51106 36723 77045 30158 79936 94101
73272 03099 00950 01428 36550 87739 18957 22880 76223 10691
61639 73656 28926 04434 16895 40044 24782 25974 30886 23232

32657 94587 75097 65684
Attention (message repeated) Out

12984 kHz, 07-07/11-07, 1430 UTC

912/33 Attention
52100 91338 88631 31626 76768 26169 28916 70574 25311 42121
08776 08525 02558 16137 23384 03135 06257 61142 02925 78304
62630 05594 61666 91235 56227 97186 88078 69972 01703 98927
59910 76096 73798
Attention (message repeated) Out

21906 kHz, 08-07, 0600 UTC. New message

Message, first part unreadable
5241 68736 01246 11459 98603 40859 21294 56760 83387
36091 55743 59594 20336 Out

12815 kHz, 06-07/08-07, 0845 UTC

716/34 Attention
95364 50617 40358 14631 38998 04113 30186 97186 45661 99416
23019 92162 16316 46430 39323 93469 98092 26214 23649 13313
62014 02340 37540 50627 42290 19353 91629 26414 36822 86718
47747 67517 44315 74891
Attention (message repeated) Out

10210 kHz, 08-07, 1045 UTC. New message

696/34 Attention
61573 03688 20378 78418 56107 98086 08530 98643 87486 53470
98964 19831 92353 09044 48801 14596 46778 06930 78184 79640
93068 35055 60928 92063 85219 80517 15323 40372 66562 37602
16908 87733 29120 73451
Attention (message repeated) Out

7863 kHz, 08-07/10-07, 1715 UTC

978/33 Attention
57679 29715 50400 00599 62330 57273 15735 17801 99932 72842
54073 24128 40507 38824 04157 70133 21951 73349 49682 38153
82104 38604 09160 56327 77652 17841 66867 41559 23063 83263
97580 94476 52388
Attention (message repeated) Out

16335 kHz, 10-07, 0830 UTC. New message

185/34 Attention
22678 99611 21782 20257 42206 24109 53418 29278 94231 01853
29262 63488 24829 89849 07655 28581 24207 54751 65518 79714
89925 47897 54966 06160 79241 06966 54473 22442 94092 67967
38692 94169 78928 97115
Attention (message repeated) Out

14410 kHz, 12-07, 1745 UTC

240/32 Attention
32717 97702 45607 56159 87970 87464 50224 05127 82434 71265
83007 16214 12295 11597 99320 30159 49848 73807 48295 87249
61804 02967 34559 83683 19145 01219 75420 70437 14068 01414
10582 35619
Attention (message repeated) Out

9339 kHz, 13-07/15-07, 0645 UTC

414/36 Attention
35960 71971 34038 72061 59019 78700 73651 84370 86841 60393
26286 55062 13680 66136 32281 47645 27650 51779 10101 52855
29625 39400 86250 14916 00791 25238 76192 31921 46974 47178
60790 29322 52705 91503 08258 01844
Attention (message repeated) Out

11116 kHz, 13-07/15-07, 0900 UTC

533/37 Attention

79142 47714 08407 01116 94389 35654 64150 58003 61037 93751
58126 09185 77730 17014 02398 66441 60433 82260 09104 96329
44714 27019 40083 11201 49350 85667 38385 54148 54559 16643
04958 69599 65714 17936 18055 58184 68032

Attention (message repeated) Out

10508 kHz, 14-07/17-07, 0715 UTC

639/35 Attention

71187 19934 70838 51514 10629 66703 56852 91569 97521 61494
60564 33903 12869 98801 31306 12054 26648 68779 62989 37580
39838 67824 72784 78462 36904 83119 23048 35603 22734 49353
82467 07931 87498 74371 91481

Attention (message repeated) Out

12153 kHz, 14-07/17-07, 1000 UTC

302/38 Attention

10058 73858 68670 24635 44123 62592 64389 43447 18274 13693
73727 92413 51490 34888 72660 42639 05762 15213 19082 21015
55238 93896 99583 32223 96432 90113 67464 97460 53246 01974
94024 85362 35976 65293 18930 35203 22261 91212

Attention (message repeated) Out

14575 kHz, 14-07/16-07, 1645 UTC

335/38 Attention

77253 61628 78033 23378 89032 15832 59723 81290 67329 59038
96328 91413 31253 27890 87357 81321 99835 96528 84166 40107
93549 41154 09017 10347 65831 28481 94360 20455 71784 59085
44346 75956 14335 48771 36504 50813 61742 92998

Attention (message repeated) Out

4387 kHz, 15-07/18-07, 1610 UTC

395/36 Attention

13664 88783 67663 74729 76528 47201 27334 14014 80734 31315
77399 90666 21293 64741 69590 18586 82636 77682 86335 42211
67581 95944 16297 42031 36066 90152 94496 90938 38528 08604
08853 98839 70264 83290 97835 00832

Attention (message repeated) Out

9150 kHz, 17-07/19-07, 0600 UTC

353/35 Attention

22193 93563 05717 73734 25986 58032 79478 89527 45280 41377
46514 93129 85185 54722 80424 37243 79690 68951 27635 71624
62573 53589 44217 62872 44431 04469 44783 83805 31079 04878
55662 28356 21327 93973 41644

Attention (message repeated) Out

12229 kHz, 17-07/19-07, 1815 UTC

922/37 Attention

42669 91241 17560 84535 56093 41754 71488 17111 30763 36997
14328 49288 87598 10330 86903 65209 18857 78281 62453 06889
19070 94762 32422 04962 02287 79750 68312 80509 94990 49097
50713 20256 56805 15139 11539 98428 71251

Attention (message repeated) Out

9610 kHz, 17-07/19-07, 1910 UTC

616/30 Attention

11182 12739 35055 59967 74829 93376 65030 83604 43512 72427
64005 46704 46520 91259 25961 42045 26599 25437 22255 40180
69933 30513 40894 11861 61175 42347 23431 43090 05682 60052

Attention (message repeated) Out

17378 kHz, 21-07/22-07, 0930 UTC

130/35 Attention

29490 53580 11876 80056 12708 52529 50032 93840 52804 40557
60389 66236 21206 55185 78551 95103 53386 45908 74777 19185
49509 86581 13682 87156 29993 39491 66650 30155 21704 23123
62971 03057 86845 86612 76842

Attention (message repeated) Out

8274 kHz, 21-07/22-07, 1205 UTC

461/32 Attention

38860 77630 66069 84795 78689 06531 22843 67252 22914 44734
50356 06980 20204 29056 38611 78581 77707 05748 29452 58276
52930 11399 44900 89282 35002 13193 62700 64623 45085 03434
21066 38412

Attention (message repeated) Out

5231 kHz, 21-07/26-07, 1605 UTC

237/37 Attention

34172 43339 75375 17803 07177 85947 09330 02698 57588 61345
32369 62049 13378 44015 58425 14110 40654 43878 51228 83156
32491 01639 85878 50870 85736 04284 96999 04998 18909 96329
48176 16255 98162 34184 43048 25813 12088

Attention (message repeated) Out

15720 kHz, 22-07, 0745 UTC / 15720 kHz, 24-07, 1020 UTC

344/34 Attention

62375 73041 90916 45759 72156 84179 32410 06956 64210 87752
59969 40560 23137 09000 70257 21014 51280 38175 43772 06895
62288 00659 23982 43713 88080 28164 74140 62551 67706 33156
60698 03481 15424 67436

Attention (message repeated) Out

7984 kHz, 23-07/24-07, 0720 UTC

431/38 Attention

92489 08363 11625 30262 45480 72046 83280 81734 78397 52799
51739 53457 77194 21415 86277 88724 39196 12794 24856 07490
04229 88161 26347 18425 22054 18064 63152 25702 85525 50953
96259 00153 12816 70233 90966 98342 17760 14371

Attention (message repeated) Out

5409 kHz, 23-07/26-07, 2000 UTC

524/32 Attention

50629 15588 29350 10675 21074 18498 26657 64838 42218 13501
14782 35317 65376 57851 13342 36925 13115 64985 18415 67486
59573 43438 65845 82048 68969 11187 95599 20207 12856 10887
92628 42833

Attention (message repeated) Out

16530 kHz, 27-07/29-07, 0315 UTC

251/38 Attention

15642 63824 03355 09909 07132 49767 67727 52117 42985 58546
28550 31534 25468 88657 59063 58722 29209 34969 63529 13019
87499 98532 16371 54326 93891 88366 68244 15882 12951 58648
56150 02825 11424 92746 30958 13084 64087 69514

Attention (message repeated) Out

15825 kHz, 27-07/29-07, 0715 UTC

753/38 Attention

43194 77399 61815 74157 40134 97111 24416 33489 43952 53182
55241 72175 72520 32505 47271 52342 56361 51813 41255 43092
23923 48030 27139 19216 70784 14316 50539 16796 62750 45348
90572 24693 99250 48452 79019 40392 96509 03501

Attention (message repeated) Out

5737 kHz, 27-07/30-07, 1300 UTC

315/32 Attention

60245 65945 06061 05549 93451 27804 93725 53407 23963 05029
53417 41882 48563 20702 11932 33866 43037 81584 44763 42691
13590 38761 31348 71006 38007 40673 24789 21143 25268 26616
58151 22022

Attention (message repeated) Out

7600 kHz, 27-07/30-07, 1900 UTC

648/34 Attention

78963 58170 88039 17151 57754 13655 12963 11049 72165 78450
61801 71712 48897 73888 39584 77996 67563 72606 42271 57435
73876 15533 97304 88844 04400 73982 50594 63029 88433 35707
22510 28176 72421 70127

Attention (message repeated) Out

8680 kHz, 28-07/31-07, 0700 UTC

579/35 Attention

81399 52117 62497 01329 41795 37118 75274 23548 04139 20485
12667 82000 45400 85932 22544 42649 50855 80127 93828 15562
79891 10666 68201 75648 91590 09526 15674 34303 62756 24193
19692 83362 36483 75693 86681

Attention (message repeated) Out

20640 kHz, 28-07/30-07, 0745 UTC

223/37 Attention

76912 21124 81154 84392 88246 36703 81939 44856 87666 60141
29297 60499 21652 15473 43475 21549 73190 82520 06423 34717
47749 12167 10049 50119 21531 28073 25812 32218 03959 56426
51455 00868 63535 21439 39910 00312 49489

Attention (message repeated) Out

6923 kHz, 29-07/30-07, 0930 UTC

270/35 Attention

64392 19600 38154 51567 07805 67708 47702 45261 04317 05864
08192 30924 61999 86209 72854 60917 26165 24018 84517 53325
58439 83759 65763 84872 62736 31084 83093 65488 35931 75145
92928 32949 99878 28502 58113

Attention (message repeated) Out

S06**11616/9322 kHz, 01-07/02-07, 0400/0420 UTC**

480 295 17

31790 25993 76078 79621 76600 51286 66084 33969 03040 22536
45251 82571 00798 39635 45242 19748 96514
295 17

480 761 33

36357 76571 42355 01207 01978 47725 57421 93252 46859 00763
92619 53553 41319 94768 55837 58935 31374 44266 16941 19920
50667 97634 93573 78526 53208 19520 56997 06160 46591 75695
50117 62544 30390
761 33 00000

11616/9322 kHz, 03-07, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 06-07/07-07, 0400/0420 UTC

480 935 60

53133 19548 09094 01035 91103 64795 32514 05132 51938 97569
73664 68682 15618 30251 31832 50008 58190 40321 55624 73182

80182 06170 90770 10770 39015 62921 28013 67042 83858 70475
12038 66379 16375 10935 97373 76529 25763 57617 62211 21417
71569 83839 16057 63196 12684 96653 62177 58226 05969 33735
00772 16656 22950 30592 83798 20317 58012 60306 57397 78599
935 60 00000

11616/9322 kHz, 08-07/09-07, 0400/0420 UTC

480 319 25
62274 54811 93904 46166 90081 41014 68860 81167 68842 66756
23188 10484 51768 02862 09815 67771 27238 66679 67806 84953
12853 11140 61397 56131 18741
319 25

480 627 31
14072 22664 26531 21216 50521 97090 58279 71691 29826 69536
00675 77222 38825 39122 66909 86694 61573 99235 46521 15803
41561 67408 08529 61470 47556 33256 04895 87922 97744 97926
67515
627 31 00000

11616/9322 kHz, 10-07, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 13-07, 0400/0420 UTC

480 572 50
74984 87691 08709 15854 60264 42549 64254 94707 34279 81964
61066 42591 18494 55426 32408 29898 60250 51573 56105 93967
62350 39855 61337 68314 47893 84477 38581 18573 58803 50796
37338 89885 11493 37353 98081 95395 58080 15753 68864 00545
26622 05552 18829 82853 38782 60356 17447 71883 28381 54314
572 50 00000

11616/9322 kHz, 15-07/16-07, 0400/0420 UTC

480 925 23
99900 63950 13094 26733 76840 73492 95070 58251 94074 15198
67880 76809 24946 87584 58167 60916 63436 42774 12543 48685
00387 11311 40453
925 23

480 631 25
40019 01098 61277 78335 80470 80663 80706 58763 75476 02361
34162 08990 31903 63589 98951 42102 22868 43379 12491 31474
21760 16277 60475 45406 44183
631 25 00000

11616/9322 kHz, 17-07, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 20-07/21-07, 0400/0420 UTC

480 176 52
27892 38137 79384 56064 18371 82866 78263 29413 18844 73684
82745 09392 09612 72038 47750 54016 97822 73984 39196 06055
63210 82667 70144 92508 24256 82849 01201 75364 60689 97280
40605 45799 53279 28890 76453 79037 26842 20594 89484 92027
07417 83908 19872 71154 29533 79537 86452 62143 54513 52552
81839 39371
176 62 00000

11616/9322 kHz, 22-07/23-07, 0400/0420 UTC

480 392 14
08146 21742 66713 27327 88193 01672 40505 45400 16235 90689
31881 44965 83632 56323
392 14

480 716 40
13543 81120 27786 39685 90514 18642 40720 41067 31269 43092
23683 46043 40056 72077 21506 37825 03220 63765 32232 17639
56946 24352 88188 28840 01588 48439 01614 03785 29753 20254
54517 31886 60363 92656 37465 72308 95849 61871 66987 59716
716 40 00000

11616/9322 kHz, 24-07, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 27-07/28-07, 0400/0420 UTC

480 529 53
18851 97663 28633 25160 26954 10548 20819 54510 63761 84615
40034 88605 92602 61973 99121 78264 75562 67962 74379 27891
24282 83909 63042 51668 24684 89504 88919 70472 65311 23240
98358 60455 23969 34361 13735 89218 92346 24752 36635 00521
43325 04207 17952 33469 70643 07510 37049 87102 55617 46772
57201 66341 40589
529 53 00000

11616/9322 kHz, 29-07/30-07, 0400/0420 UTC

480 297 33
90976 00686 23510 62352 71917 80120 66118 61451 92132 76964
90002 83415 35639 67912 36727 01462 70550 78666 35451 39688
83836 51477 09422 49263 81027 37402 05994 02296 74290 30456
36129 33056 07325
297 33

480 613 25
24963 33928 73064 60841 87859 26934 83729 07484 13328 43968
59455 49325 90848 34361 31533 41042 59891 00914 16191 49886
62258 55336 60535 29140 28106
613 25 00000

11616/9322 kHz, 31-07, 0400/0420 UTC

480 480 480 00000

11073 kHz, 06-07, 1309 UTC, i.p.

20+ minute transmission that ended with 681 40 00000 followed by another message that ended with 48447 06418 01070 54703
31582 681 40 00000

S11a

16357 kHz, 29-06/01-07, 0510 UTC

655/34 Vnimanaye
55810 92963 52737 36484 60167 26132 78980 55286 45328 14698
76870 88704 61983 20499 20360 18613 70422 84666 28314 43630
83469 56222 73449 13298 67306 28185 30905 29334 04520 30390
25699 37789 57550 58369
Vnimanaye (message repeated) Konets

9968 kHz, 07-07/09-07, 0445 UTC

799/34 Vnimanaye
74225 71989 56101 46856 27465 47265 80797 97428 09428 72975
75782 21096 44803 93087 77559 26563 59270 32706 07273 53407
32164 61677 68924 71705 87325 04839 77823 83777 41867 87976
66111 38132 87370 95463
Vnimanaye (message repeated) Konets

9339 kHz, 13-07/16-07, 0700 UTC

476/33 Vnimanije

68869 40705 88440 66781 48800 00599 05578 36387 18743 76417
13841 65124 23480 20397 84215 19539 83554 08562 45085 61497
55229 57349 07975 17368 46771 92332 96333 38362 33901 61437
23134 60175 65480

Vnimanije (message repeated) Konets

16357 kHz, 13-07/15-07, 0510 UTC

655/40 Vnimanije

86200 47887 64535 02264 03002 70348 76382 15130 18245 28350
33310 58001 23648 95131 94833 98147 51161 17517 05655 65175
82622 88886 62027 41627 38423 56122 41588 42196 31111 62633
76237 78234 18876 16704 89785 61708 35796 12422 45710 67392

Vnimanije (message repeated) Konets

18773 kHz, 15-07/17-07, 0735 UTC

382/32 Vnimanije

51775 40615 32860 12459 24890 37985 49244 44065 13312 07328
60312 84929 26466 95845 77290 56303 92909 31788 45487 37579
96119 93511 67208 17817 54734 16374 37698 04455 70816 56478
55338 32227

Vnimanije (message repeated) Konets

12457 kHz, 15-07, 1850 UTC. Not repeated on 18-07

286/30 Vnimanije

26711 92614 76621 95064 17820 79400 79047 84370 61870 52164
85269 17922 09867 18876 82370 73207 31851 48522 21222 59511
89031 47139 11177 86334 25894 50223 33370 48637 82589 80841

Vnimanije (message repeated) Konets

5149 kHz, 18-07/19-07, 0830 UTC

378/35 Vnimanije

82212 50192 28831 16359 78054 56521 04146 21395 71621 13100
38707 51366 85153 06556 82613 14572 88385 34263 43839 73662
59589 54252 30436 22374 51366 54614 29478 31507 32757 90789
11272 51534 84188 69536 94441

Vnimanije (message repeated) Konets

12457 kHz, 18-07, 1850 UTC. New message

288/30 Vnimanije

34359 42139 90421 10911 84667 62083 61808 81353 45406 46001
92380 32317 39311 92986 21826 70400 43090 20766 31873 07128
47271 17483 10884 06853 96004 16480 70049 42777 34772 72992

Vnimanije (message repeated) Konets

6814 kHz, 27-07/31-07, 0915 UTC

487/35 Vnimanije

42638 87765 10804 10345 36948 47769 51339 39144 89683 77858
70712 96296 22342 03286 31209 36491 21026 34382 96047 46931
11670 63148 73381 28494 90731 51837 70562 19502 70666 22942
93546 30182 66476 43352 83994

Vnimanije (message repeated) Konets

9448 kHz, 28-07/31-07, 1400 UTC

424/31 Vnimanije

46910 26763 94838 35186 09951 23970 88576 56030 32892 17622
36918 72958 55048 65192 54192 74790 11828 09741 26933 56319
66803 39341 38049 30229 52840 29805 12374 46862 97193 60060
77924

Vnimanije (message repeated) Konets

13978/13378/12178 kHz, 05-07, 0700/0720/0740 UTC

931 931 931 1 1376 126 1376 126
27364 77285 00475 74859 07882 69889 99062 19189 55555 34456
47907 42801 89664 25097 02045 53662 63020 69665 77494 92729
47166 09874 65411 50318 71610 09348 91231 17557 78190 35260
98154 78330 20307 16314 34855 77655 20914 84713 15169 98413
65258 96363 82266 44888 10607 29735 09688 23933 36926 15331
49225 70105 92989 29963 44450 88787 15516 68999 74164 23828
95227 76411 67368 30500 33352 37810 10489 68951 92944 29604
81696 17504 44236 31634 29873 06591 10527 88593 27171 61697
03374 03221 49437 58291 55108 03280 39437 89692 15937 89116
18595 20680 01717 08084 95685 47255 25789 00495 14811 74453
70451 43409 72975 97438 74971 25661 37556 35832 77796 07351
09141 71440 49854 95147 46860 88476 32663 17068 34839 81273
22617 02526 40200 86132 13851 26073 000 000

13978/13378/12178 kHz, 12-07, 0700/0720/0740 UTC

931 931 931 1 5089 97 5089 97
92174 41803 16294 23729 72529 76827 58436 34840 57708 86779
90607 30974 98542 49450 06821 63458 26400 60912 27089 66565
19509 35848 89166 38823 12258 26805 01856 57396 46850 62545
01350 97497 89202 58323 33085 10431 50979 15863 86845 84190
68250 30320 51676 79152 71048 92498 95741 68976 81723 54173
10832 81367 12263 89574 87752 43036 22937 69097 28753 98840
84553 70107 93009 63390 12457 67900 12994 79300 69404 47131
83477 02756 73481 09958 47260 54736 35951 97163 27552 31197
76071 81391 79164 37196 31592 47303 05900 17120 07497 92188
91808 22994 80028 61762 22383 53810 55249 000 000

13978/13378/12178 kHz, 19-07, 0700/0720/0740 UTC

931 931 931 1 9452 127 9452 127
13778 14073 34003 24454 54111 90489 34429 17289 15173 67871
79786 74559 81049 03678 12553 15742 19732 62927 87409 22582
84087 72014 27133 07092 31273 95398 47990 55280 63635 82786
91715 78499 56135 12759 99913 06025 35400 63390 66305 50045
79370 18359 51783 40752 11460 34228 30317 93680 41899 84144
65454 71265 27626 67896 68592 08934 18486 96054 23568 50461
11308 26201 42209 13243 65495 78196 95554 67962 64842 24049
19562 86366 84012 32861 68100 98215 99422 23797 44606 01149
96722 97650 18863 86581 66677 67526 78274 27835 92609 44333
45378 97384 11351 31600 69874 86009 48073 51333 56843 33209
56293 25116 42192 86732 01113 08587 13801 84346 75361 29522
18430 55294 40242 28429 99447 51223 01756 40666 04994 78445
81044 72766 72922 11144 24670 97281 12831 000 000

13978/13378 kHz, 26-07, 0700/0720 UTC

931 931 931 000



MORSE STATIONS

M01

4903 kHz, 02-07, 2000 UTC

025 731 731 30 30 = =
75634 12345 97856 09087 34867 90523 68945 25389 78546 12532
90768 56987 29105 24367 85634 39087 18975 15334 87346 73471
90900 75634 23165 37856 45980 89756 34267 47634 23176 98674
= = 731 731 30 30 000

4903 kHz, 16-07, 2000 UTC. The double groups are probably an error. Two groups were not repeated

025 324 324 30 30 = =
00978 46532 13245 86754 08965 13245 75643 17907 64557 08995
79985 31257 90755 24331 80975 35421 90775 35421 90775 (1x) 24365 (1x) 90667
13240 17845 87643 19905 63410 95761 64511 00085 13279 07863 04651
= = 324 324 30 30 000

4903 kHz, 21-07, 2000 UTC

025 703 703 30 30 = =
84293 47309 75487 19112 05480 75893 17512 57428 05984 65943
60859 57661 75489 75490 78489 09541 56803 76555 97808 45707
89430 46373 75486 48693 76589 03891 76589 47393 58011 30589
= = 703 703 30 30 000

4903 kHz, 23-07, 2000 UTC. Sent only 29 groups

025 912 912 30 30 = =
76812 36197 67453 40781 25463 67343 40891 27584 56297 68465
85612 37561 49786 95743 47681 23978 56482 35409 65978 86712
36454 50897 67671 24375 67396 84631 23245 56497 68561
= = 219 219 30 30 000

4903 kHz, 28-07, 2000 UTC

025 778 778 30 30 = =
00041 26334 13219 96645 11217 86773 15309 36226 54671 05711
04511 36599 55624 16334 03713 17845 01134 05733 15846 09764
07885 14360 11423 06761 24431 05612 08986 46243 97624 07888
= = 778 778 30 30 000

4903 kHz, 30-07, 2000 UTC

025 123 123 30 30 = =
67453 12143 78453 96754 34256 80907 54634 12314 65734 87967
45324 56557 77867 56453 89786 45234 23415 65456 34254 76856
89786 45342 12113 43546 56456 67567 78967 89749 67587 67546
= = 123 123 30 30 000

M12 April-June

Below a numbers of late logs and transcripts. Thanks to PY.

13409/12195/11526 kHz, 26-04, 1900/1920/1940 UTC	No transmission
13409/12195/11526 kHz, 27-04, 1900/1920/1940 UTC	No transmission
13409/12195/11526 kHz, 03-05, 1900/1920/1940 UTC	Message
13409/12195/11526 kHz, 04-05, 1900/1920/1940 UTC	Message
13409/12195/11526 kHz, 10-05, 1900/1920/1940 UTC	397 397 397 1 6178 199 6178 199 34764 ...
13409/12195/11526 kHz, 11-05, 1900/1920/1940 UTC	397 397 397 1 4605 192 4605 192 61263 ...

13409/12195/11526 kHz, 17-05, 1900/1920/1940 UTC 397 397 397 1 4605 192 4605 192 61263 ...
13409/12195/11526 kHz, 18-05, 1900/1920/1940 UTC 397 397 397 1 7295 190 7295 190 82765 ...
13409/12195/11526 kHz, 24-06, 1900/1920/1940 UTC 397 397 397 1 7295 190 7295 190 82765 ...

16272 kHz, 28-06, 0300 UTC 299 299 299 1 3404 63 3404 63 ...

14975/13875/13475 kHz, 02-06/04-06, 0300/0320/0340 UTC

984 984 984 1 7962 152 7962 152
00075 74779 10640 64234 25409 22108 96837 62786 60203 74984
40962 21547 05239 52228 82602 52116 43645 08154 11171 41461
39504 54527 65247 90509 69631 54119 03166 84268 80750 56802
29531 73752 58040 18330 89515 10916 90473 16730 82554 99408
51888 03227 70753 28670 77544 20455 24563 19934 66250 11732
96115 42309 37557 85576 76339 23586 13421 35429 83075 92490
08099 45784 77933 24305 85300 29195 88079 83966 01184 89932
56038 02928 78225 91143 41186 09986 73601 83326 88044 85963
23302 54223 12492 58207 57260 96496 71080 28890 42568 57307
84122 31231 89656 90397 40835 96282 57815 75008 68404 33710
49334 94919 37388 71525 78693 85318 94160 21523 44041 97584
78999 27894 79216 20976 98135 37690 57400 93860 40317 21003
04126 58134 87263 26292 23156 58844 11329 57233 56488 22555
21589 67035 45110 37483 64628 96143 37858 91027 52482 27304
20488 12844 29397 61008 16151 16901 54531 90403 15105 47241
20910 81286 000 000

14975/13875/13475 kHz, 09-06/11-06, 0300/0320/0340 UTC

984 984 984 000

14975/13875/13475 kHz, 16-06/18-06, 0300/0320/0340 UTC

984 984 984 1 395 93 8395 93
80630 16611 39479 69230 40519 30933 40700 94425 69053
40504 93653 55003 20375 11164 19288 26418 05426 14309
30564 90204 10998 94436 67065 70111 16531 53602 38616
12482 94076 60465 52226 39956 77271 70877 33861 33375
59065 98052 52953 00825 96585 84890 69054 16894 37104
35563 00672 75069 00825 01446 92116 88506 56518 92722
95291 15201 52906 33630 13261 22383 88075 99650 54054
11574 56440 59805 06701 88567 51659 60176 64710 19254
88284 92840 65473 19000 69778 47119 63418 67366 80815
54183 04618 66003 24827 36997 15435 78344 4____ 10_46
18464 _0436 62890 000 000

13961/12201/10597 kHz, 29-05, 080/0820/0840 UTC

925 925 925 1 3790 59 3790 59
39485 54358 32575 68617 71781 01596 62713 10133 49355
65464 55250 05927 14018 90407 06059 98783 00780 05855
94094 38342 19725 96678 08036 93795 82836 68116 53704
96383 60826 54915 36673 16843 68862 08319 07097 91147
13374 29714 73668 65919 08054 92585 89612 82946 26567
94965 47564 44793 14263 66499 89146 36575 62893 86228
78565 92640 15159 84594 650815 000 000

12194 kHz, 01-06, 0840 UTC

14382/13423/12194 kHz, 05-06, 0800/0820/0840 UTC

341 341 341 1 7530 89 7530 89
08312 75374 90659 49772 56406 67070 44855 49145 70825 63537
76285 86505 84650 26436 44191 37867 53060 14044 92188 91155
33640 59910 08275 46739 23193 41343 01225 98430 80709 45093

67231 34601 17189 22842 02015 49412 37905 78130 30480 59284
94307 67504 95650 55480 70235 42535 82473 61250 70163 19688
48211 65804 47152 11229 08808 76750 08590 50423 04193 52380
92512 78828 84167 53948 80421 04055 74206 10896 35060 02592
49999 91424 11961 08891 54237 93514 85455 42597 65276 99234
67280 61139 20695 30585 39874 57063 94704 48554 50682 000 000

14382 kHz, 08-06, 0800 UTC

14382/13423/12194 kHz, 12-06, 0800/0820/0840 UTC

341 341 341 1 2323 65 2325 65
56191 00668 04390 59236 40118 18817 28412 91641 64897 15138
48788 35480 51035 80020 88914 13819 05209 88453 17464 01066
58334 76537 64124 43250 62639 82969 13292 89853 44530 94266
50487 05734 08641 28685 58487 84208 25721 57531 17252 27866
55898 82400 86003 78132 70075 47385 05172 50353 23296 44859
93165 49175 75488 07884 87692 20751 42845 39008 40972 44464
61583 22485 19215 82264 51893 000 000

14382/13423 kHz, 15-06, 0800/0820 UTC

14382/13423/12194 kHz, 19-06, 0800/0820/0840 UTC

341 341 341 1 7136 113 7136 113
44660 34902 07310 35455 03842 18657 45521 56308 76175 71546
79661 64187 89887 30919 42515 97768 95199 31703 42607 75731
09222 76846 22435 24736 43580 07198 83663 74139 97120 36645
13217 88854 22678 42740 40899 30845 97115 17612 21657 55661
77019 75758 87741 86664 57879 57638 85028 90518 30541 68166
71787 53488 26782 59277 88944 72630 64707 12439 89442 93299
46308 64617 91191 95280 30615 17222 93160 49576 11102 51888
19026 53478 34451 58283 73075 10145 17354 18574 93065 60555
62955 55796 77354 21735 39046 05646 10594 13850 99328 24599
10910 81866 84963 23297 56928 27797 72119 05056 51178 20705
65009 57440 00747 91079 11318 36556 46479 40893 15405 56328
09165 78771 36250 000 000

17458/16234/15814 kHz, 29-05/30-05, 2100/2120/2140 UTC

428 428 428 1 9446 84 9446 84
31256 43301 18155 43412 96093 81614 63263 47291 97557 03094
85722 10817 02492 77085 02367 27726 10378 09433 22031 47806
69594 76443 35481 07575 75111 74297 91564 31568 29150 77919
38457 19414 36046 21142 75898 24702 60815 54851 25485 27609
12752 64519 38903 09046 05537 85719 91438 57933 02586 80239
37541 53256 36893 83494 06192 09104 77893 04006 82933 04816
33768 30284 61797 76356 89184 84259 34883 86221 49485 51339
64687 13037 97247 26945 89491 23535 01127 18341 14895 78890
03247 23916 04322 88917 000 000

17421/16141/15928 kHz, 05-06/06-06/12-06/13-06, 2100/2120/2140 UTC

419 419 419 1 2893 161 2893 161
51104 26459 43943 50470 41532 11455 05326 42162 83259 11428
88043 13795 18339 15852 29350 39228 44935 27870 15078 02768
25910 12149 34501 63911 69327 96218 03902 27377 89226 66359
67947 50857 59781 10131 25820 44783 16267 53028 51511 98831
65212 20532 18576 53190 99332 29469 65571 67685 03597 19693
35412 02051 20270 32979 86010 11607 40588 62649 51790 85814
93088 71665 99051 284E8 23389 79618 22470 49028 77244 85846
93638 02725 88695 62385 98842 39022 43440 86280 73320 05291
77246 95012 19983 42211 96413 09249 76549 10668 76467 91263
19600 07333 55243 42355 70655 29264 54463 34984 52609 56675
71573 44030 75636 97165 81742 79808 10893 30068 28323 11690
42111 44718 62900 41798 15590 93466 64286 76136 76649 91672
33325 11997 72562 36865 76880 92177 30449 43174 64025 50018
56848 89516 49799 94100 38590 38190 69712 40888 14494 47761

03196 04099 63482 07101 28627 47995 53012 83817 28418 21517
26916 87667 05619 63897 93294 11432 38919 21830 69077 20167
15397 000 000

17421/16141/15928 kHz, 19-06/20-06, 2100/2120/2140 UTC

419 419 419 1 7495 147 7495 147
52393 66714 44724 80293 08528 05595 65102 99587 73459 20799
96383 34890 45773 96205 99471 84518 13530 53746 98159 08238
67212 51997 15670 52856 00761 38572 07300 53555 67033 55009
27452 42632 75300 68272 01969 31331 89508 65754 63830 76010
21060 07515 74712 59183 23574 84013 27813 05409 44784 61220
54082 06376 42555 29415 90086 14170 52996 77796 23703 78089
21176 86523 29923 48304 81179 39427 29444 97891 99708 27017
23896 71476 03032 03052 25274 37957 47689 23433 04427 02535
73215 42969 92858 75318 96636 18886 70917 34655 21905 04223
61836 38040 35615 54909 61087 57431 91619 91567 48066 75450
84566 43329 06468 44130 03047 85551 60883 99315 80281 44075
02228 70225 77118 83118 95846 76213 90023 15758 87345 99433
43663 25172 97445 21867 41275 00183 43864 27230 07527 04572
99738 42413 25402 10822 36382 49745 78712 27705 45470 41402
86417 65238 07377 61261 49212 34309 36403 000 000

11564/10487 kHz, 18-06/20-06, 1900/1920 UTC

258 258 258 1 3431 261 3431 261
98200 96809 22010 46279 07886 13308 94387 26257 27847 97760
19532 16525 60853 29791 61799 55074 46925 20265 48372 13448
25674 74812 89174 65298 56837 21358 11447 40062 89314 94083
26011 68742 10321 98574 49795 94147 20726 05453 48344 91340
76246 94676 87043 84895 60500 95993 60182 06077 58487 81312
20643 50740 76291 59975 97957 23388 74634 56710 89441 86527
01860 54324 36942 33762 71748 50789 06204 62277 79995 67651
29347 31471 71919 57031 37201 30996 87768 04278 04798 60842
61174 05369 81574 08001 73439 75270 92540 50345 00916 26407
19513 64015 16010 61825 89479 21921 57734 53280 13146 09711
19789 97903 26081 90834 51965 89170 90819 19259 22774 66961
35619 70355 51912 28599 25352 96490 72749 28940 60322 96477
58337 55857 61661 71587 38138 65331 25461 10103 67551 15279
63261 34417 91130 95085 71051 63270 79286 90738 56035 84268
96549 73190 27571 33654 90787 49156 12103 87410 36463 92988
49171 28794 92957 16668 51372 33931 36221 72473 32696 _6632
7270_ _8715 51_ _o_ 07494 93689 01131 79223 56825 57546 _2081
17203 82009 7_903 76052 00027 85145 28286 28006 62799 98980
53227 28049 73639 74561 66107 44466 415_8 7446_ 43712 37119
27027 06793 48041 69401 10558 27733 21483 20076 39954 89655
69931 55276 29864 74380 75785 67160 56889 16905 16640 66226
05645 0_225 09693 _371_ 33404 45660 95074 _7144 313_6 491_2
_9602 __961 13112 10427 34053 10409 3_968 03502 65493 73292
63662 08810 88051 __142 29049 9_950 98193 _922_ 98775 98945
88576 24623 57821 77485 31474 18051 97098 0_3__ _5996 65897
32628 __338 _8689 90720 _0053 65__9 42163 09437 39327 65_75
33192 000 000

13409/12195/11526 kHz, 31-05, 1900/1920/1940 UTC

397 397 397 1 4208 195 4308 195
65442 61282 59516 27851 26883 21246 96339 68581 28221 07119
24420 18779 68370 87429 83536 29332 50436 24045 67543 37093
70009 72008 48934 12321 60051 56439 74687 10439 19948 14532
82881 25436 28880 76148 67638 74869 74460 49203 51571 56480
17437 05884 83324 82066 67940 67757 01649 19572 45560 23792
74782 04705 00231 70182 20948 93333 12347 47195 67799 74443
46558 85899 48632 13688 24237 98982 89898 92220 19790 08666

54870 01232 72473 11063 19655 64125 88682 66867 44379 92292
54789 55114 64878 96155 39749 78175 25204 58696 55200 74304
62522 27264 81403 81126 09922 31537 57250 69635 57829 78957
77858 09427 99781 36893 68920 73549 32231 89167 50527 56822
04650 45479 02815 75505 15653 91442 21021 52476 73938 46060
73777 31201 37019 45484 46143 27605 19827 91345 01140 88117
06874 19046 09038 75421 15434 45361 55331 27985 27234 66198
45934 36035 08168 98377 69653 17043 24449 05898 65472 18478
10515 04773 95696 11768 95178 46656 72406 54296 90748 41314
53722 40885 88027 62409 49949 85603 36440 27392 61070 70291
36110 93035 25241 07740 00116 37741 23032 38641 75830 29100
03156 13929 25872 82661 77601 02100 23349 97268 80042 67776
72953 01035 37235 85919 12476 000 000

13409/12195/11526 kHz, 01-06, 1900/1920/1940 UTC

397 397 397 1 8458 160 8458 160
20104 27675 06489 25075 64944 81335 63479 96131 63211 18423
37789 31585 32191 96253 75975 95452 71925 38451 22906 60630
91461 61773 26437 53486 73665 05865 20676 07050 04674 99030
56959 04642 95341 82710 44868 95497 05776 37589 43372 01754
14437 75450 59973 47540 60373 66303 14298 70090 25450 07795
30583 46941 58914 55351 30349 57329 01237 53002 51409 59079
60658 56429 91457 64180 61463 33146 36242 49480 51384 80477
89675 44335 95077 21152 46192 16010 01799 78895 93112 07361
91565 50585 81598 96877 68446 10018 45726 39990 52361 86537
94259 52773 86179 84292 41094 58007 83992 95792 86076 27226
30060 64817 18705 44971 18118 96246 51862 37762 09159 14338
56530 22340 59889 44047 67513 10073 74829 94578 95742 52445
87419 96251 97117 64845 76216 36902 48155 10785 80057 88183
32017 06005 92818 65885 77300 26747 31879 36626 78759 72199
57155 07963 30830 38022 30007 71919 92882 42132 16778 31020
83176 89412 00060 34631 39805 33807 67698 53859 58754 81214
000 000

M12

13931/12153/11536 kHz, 0800/0820/0840 UTC

13931/12153/11536 kHz, 03-07, 0800/0820/0840 UTC

915 915 915 1 3131 198 3131 198
54285 94772 36134 54280 45008 09258 50190 34808 17313 90787
29859 85886 20143 54370 00055 92717 70020 71386 71498 13572
57762 63029 48871 08372 40830 53625 17019 07975 95535 24499
53863 95986 10969 58642 48455 35987 33053 88542 10299 18164
19007 81513 84320 00826 23645 60324 19188 59573 80590 71087
33149 46646 91679 19614 92206 48361 37006 11681 75027 29663
46896 47051 84039 68103 48236 48993 84567 48888 48144 62548
89514 21292 17608 14195 67720 48194 77459 93265 78212 10702
27282 42411 80093 47480 55972 96452 89964 25523 66737 13169
26555 69335 87531 56287 68769 32307 37202 53701 50700 53520
60860 41332 84797 93551 09317 94743 02774 09004 36943 04913
12651 31819 77803 08023 71595 95968 46744 25158 70814 72080
17792 13069 85007 54073 43360 10043 81811 88723 82099 01931
86955 00859 81379 99837 31399 13610 74098 56141 14703 49338
77784 12508 39168 78664 81508 50470 87306 50293 24462 27877
31933 98614 50457 62551 02915 67811 90104 06998 72815 45814
14492 00439 36880 08310 94462 97256 69545 18875 16264 07383
70776 81199 55629 89401 09261 16849 32740 14686 27676 66493
33720 76076 98376 22749 45051 84193 21629 35993 45268 26587
54892 24173 06995 03046 85433 49122 10395 34195 000 000

13931/12153/11536 kHz, 06-07/10-07, 0800/0820/0840 UTC

915 915 915 1 2154 120 2154 120
56356 34455 60782 26398 41471 90392 29924 37141 17387 21531
60673 89926 38037 67617 50250 40559 28667 10522 97129 70029
13673 13827 92639 15214 38273 66722 20377 98162 72282 20751
14163 41033 68171 06266 94122 27080 69392 33629 21913 00737
41983 40885 04221 97116 81720 10887 99679 82108 69026 95948
94570 04245 70373 91783 32819 96607 68920 48631 64581 74287
22795 96092 83056 59587 23637 54955 53165 19640 72833 18075
85444 26102 78621 86639 54958 53181 40504 71787 04269 43737
15041 45872 15582 81043 07290 66928 11912 17256 11415 10086
25219 65474 76778 51919 52267 78115 84322 87782 07131 62471
20872 14590 30718 57019 14928 29281 99474 82251 43188 55080
18436 74963 37689 75466 70017 59383 34319 14315 41846 96757
000 000

13931/12153/11536 kHz, 13-07/17-07, 0800/0820/0840 UTC

915 915 915 1 5988 182 5988 182
09355 94983 69317 94504 58871 41767 60718 83033 09337 92448
52063 16959 20128 34526 91841 21531 71323 17193 72546 91829
70000 20012 46353 91610 87450 57621 15545 12866 13388 32030
18731 37920 85957 70269 71023 94136 69151 30237 52810 03686
73522 90441 46889 27408 44593 07480 07649 09041 16405 73446
56868 64824 99273 91758 08424 29955 47293 55413 73317 18719
42997 59680 10441 48589 22367 50935 78419 77903 23136 44825
50208 54482 82259 64170 31034 05698 98582 58412 45207 69052
06695 71280 83476 35517 55359 60964 65496 91450 55277 73399
82107 87264 04808 04461 24083 83723 68574 79520 22595 33170
17232 23032 03361 56464 00559 38650 43443 13543 69835 04390
82126 24172 78589 13295 25547 50201 58155 56233 32108 70260
58348 30185 00888 77839 41314 64179 46011 81822 35509 93458
57137 78263 78870 56542 39246 40037 70563 65291 50246 84722
48933 19416 67475 18964 47805 94139 09936 32564 23906 64737
96910 04723 57789 33911 41765 41214 47044 14437 00976 85711
34895 06122 31248 73887 20862 23397 56469 75635 12465 47211
56671 97910 78712 52768 88042 06507 06438 14596 32725 49777
70515 83122 000 000

13931/12153/11536 kHz, 20-07/24-07, 0800/0820/0840 UTC

915 915 915 1 3038 89 3038 89
20044 90959 82246 37337 13476 16005 99159 29333 70453 78795
39293 20700 04951 99842 20702 79541 43375 38133 56176 97525
12367 76904 36919 07707 20011 76219 91577 41283 86250 31608
35748 10848 34158 29871 47550 63476 42144 36019 68842 98528
56820 68231 61679 06579 29090 74518 74811 18005 88482 36826
95954 99824 75158 84853 65484 89203 49512 23737 10122 85002
74954 33107 67965 09060 05867 15484 39957 36514 14382 74321
75889 87387 00850 59783 32613 82372 57257 58833 34108 00781
50761 46092 06636 20264 47781 81350 48374 34623 53116 000 000

13931/12153/11536 kHz, 27-07/31-07, 0800/0820/0840 UTC

915 915 915 1 6538 195 6538 195
10013 58549 26042 24819 41336 19703 17789 13273 36791 74524
51527 48382 34048 62342 05172 89657 28663 30245 57164 70473
93496 36559 13414 07305 11042 48053 59046 04581 45537 82621
38835 09624 34807 59143 34129 77899 41787 41420 90074 94707
78952 92680 27218 54298 52995 79757 71848 93355 71525 20140
93766 85371 07706 00351 54715 67293 40190 97204 68934 33124
82925 39180 23391 99450 11727 94303 50797 42005 08030 75158
53119 31983 23455 96275 53415 11781 12396 01101 00921 10547
00259 79742 18492 55445 13243 44833 50715 98985 86192 20986
31740 54376 31775 85975 92524 33044 63226 79411 89586 35740
93292 04371 24477 71773 43724 61394 36912 78059 70572 37897

31950 91809 85391 19483 55207 25525 07402 03629 93246 37949
90581 22526 42901 17792 18015 88101 89891 98534 67394 24730
52079 55170 74832 73164 61859 16327 35174 88735 25236 57447
37192 18391 36963 21729 10002 56518 67120 33941 79940 05008
23682 68170 95332 45159 48502 37991 04717 82072 41833 32853
11674 45653 72356 03198 14507 32724 22072 41395 02870 55561
11927 45038 09474 11623 58772 73905 90540 67790 92455 99952
74316 96815 18697 64727 78811 18096 49216 17161 84752 74397
80097 79092 43024 15274 36595 000 000

13409/12195/11526 kHz, 1900/1920/1940 UTC

13409/12195/11526 kHz, 05-07, 1900/1920/1940 UTC

397 397 397 1 4621 170 4621 170
92212 99717 63457 19672 37209 37035 35753 96536 15666 24164
38999 25078 16965 61064 61684 44402 85098 32464 38191 69578
78616 84857 58400 13698 52243 50213 47111 51532 69559 14361
16707 33828 38131 71414 30270 31528 02220 67320 99240 30744
90936 84274 13400 76524 58806 24592 64265 80177 99743 25979
18858 59744 24011 35576 61454 07354 41316 49759 67428 86994
89923 84220 26976 01305 07457 05170 86945 45549 30794 30155
42182 17778 33223 07446 78641 94341 71457 81875 54890 27651
85946 66933 51787 43580 95502 56962 09817 02555 09959 22916
90211 52459 99891 12245 40820 06715 57297 12094 69067 53635
37645 18715 49383 69587 83796 01079 26520 16564 56933 67112
35895 59439 94867 39776 01047 22989 32432 83395 05801 50493
95352 84389 35589 07877 39942 89721 17885 20977 66625 71925
37043 59362 12808 01255 90004 67230 17549 82199 59782 94422
30441 93252 45621 42846 87019 30772 57591 60114 11197 17830
74282 73901 06293 18573 58282 53254 83125 41505 29644 94074
83192 05543 49938 85006 30068 76532 46630 93611 49771 33815
000 000

13409/12195/11526 kHz, 06-07/12-07, 1900/1920/1940 UTC

397 397 397 1 3655 192 3655 192
04104 11847 34867 37455 59590 48396 99561 37497 40118 72862
91384 68138 23709 58516 42266 84923 04637 07905 04957 50693
83333 62163 80725 29932 69246 13069 62779 02103 24837 24548
24262 05730 49703 62551 47575 32400 83618 52071 61561 38543
91311 12436 78131 18503 72513 47111 88684 24845 68591 27784
55294 69846 96925 92883 01303 41940 31120 04934 68207 46520
85616 97457 12660 15569 48600 85654 18435 61157 10940 09866
01365 52565 46343 66412 59370 70896 84030 62221 57418 22135
24384 37933 33511 97051 69252 54414 08804 56819 61247 05635
01279 78683 83862 15040 52926 93852 99775 62562 69902 86858
28676 27527 13904 58725 26419 02729 23503 30512 33502 30405
57908 68897 47515 46071 22136 47682 63946 15607 46316 94184
76849 61614 99908 05305 08586 22680 68701 31302 13486 65526
71120 21468 92318 20559 93458 96856 24028 74785 70632 66523
30911 78291 23316 30841 47726 32381 31168 37790 92902 05244
29906 84168 16245 75716 10008 67060 27617 08599 50138 03738
34026 92199 17026 67974 59284 36039 76578 76955 52612 25279
23654 89160 44974 79791 63273 98557 38297 69066 57577 76204
91510 30910 38399 08242 35620 86951 05222 16602 60550 26398
69238 15429 000 000

13409/12195/11526 kHz, 13-07, 1900/1920/1940 UTC

397 397 397 1 6218 170 6218 170
30989 48048 14276 26877 93256 57159 54537 80790 75245 92108
01226 09665 49537 77162 42192 87214 98079 70065 54598 13464
71496 03959 39818 65223 60896 01342 27754 13817 15679 31594
27763 69434 95986 25555 85229 35770 68079 30526 59931 51477
86825 44836 83349 42657 89298 13610 58956 94074 85721 32168

43627 02697 26106 92580 70037 27030 08229 49051 65980 91914
29405 40719 65110 43650 64344 31790 13678 23982 91932 06421
19134 67553 10133 03121 26637 26660 20609 97160 75923 47286
42385 33678 28095 83509 87966 25066 43328 03405 55516 58198
27541 19027 64545 68016 22071 46105 79724 39698 78312 57508
99931 34973 02142 79299 13033 76073 92562 22985 65943 43377
06421 11068 73126 18693 49529 95726 12624 81599 55683 39277
88461 10272 68464 33734 78879 00107 03007 42116 81048 80530
46934 80909 18847 18415 47354 07411 31536 48794 70475 11893
32502 20343 37561 12138 51776 16472 45899 45852 18487 26344
33481 98124 84014 39034 69045 89658 66508 68406 00420 12926
73065 50446 41935 85411 96442 25510 92220 54711 71337 42117
000 000

13409/12195/11526 kHz, 20-07/26-07, 1900/1920/1940 UTC

397 397 397 1 8078 158 8078 158
17166 02128 93984 68428 82669 60388 56088 94319 64966 07525
54524 19766 68518 85278 06709 17244 67418 93301 83310 80185
31108 86874 74387 79771 52642 67974 79684 19386 51002 02707
49220 07302 95483 91788 21648 79228 89768 18199 92528 07845
35015 95879 84173 49713 95101 09626 31814 49285 04290 58626
16520 70722 05403 75299 86460 30290 27740 14212 15786 14695
80693 36701 43317 62259 58303 47221 24282 76728 73630 27479
27474 49218 00773 75465 45170 35228 02700 24674 84669 43015
36160 30398 15096 92374 86186 78497 01899 20183 05328 91356
51488 75555 02413 77832 27151 98312 52562 21914 91408 47879
85343 55084 75653 76810 31152 67301 69949 29937 30129 51232
27590 03066 29542 72770 78534 50294 21605 50941 76072 79805
45322 04099 71400 82273 75989 51917 46805 22939 48313 46856
82665 80784 33264 36789 57671 81074 54744 38285 61222 18884
08548 71961 90052 54094 63766 48422 46012 29641 99297 76856
76707 01620 45841 11603 02556 81243 83683 93379 000 000

13409/12195/11526 kHz, 27-07/02-08, 1900/1920/1940 UTC

397 397 397 1 9209 195 9209 195
32137 93234 98959 04978 24641 74465 03655 83541 93868 19914
53111 63395 57506 36491 93318 58127 52827 83069 26854 50815
64611 56338 30761 21164 47035 84897 45846 07055 23295 33111
09292 75027 26038 21975 32914 45222 03968 90352 71605 32491
48417 80391 78022 17700 75370 54467 85373 43526 25049 81865
95319 53360 26526 11372 26548 75798 62473 77795 57941 39742
28618 96599 60245 60756 10622 78083 37356 35530 03576 48095
54158 62474 11464 94361 02398 84219 78314 13060 45792 92567
99523 02319 82004 41429 37790 55930 48501 14666 95426 57114
82748 26171 32410 31862 03873 51816 20145 17265 07077 97286
17110 49842 39949 76952 27706 32845 41896 32163 08973 42327
97483 49412 32002 65373 40218 26298 14595 18816 22966 54691
29582 22690 40103 46461 65346 27987 30063 79601 90488 50580
64074 61049 05982 48505 75456 49681 62368 05051 13723 04945
14034 16338 05693 53098 59630 33335 94168 67036 91643 77573
37221 01329 94298 52385 67704 94419 09739 93487 11606 99718
02782 62293 41673 58391 78252 36434 43429 83495 89916 90535
63928 09543 05092 18020 40657 13244 16997 87003 86829 32010
33817 63026 87957 12914 13359 62744 66749 53596 80800 81035
39942 68880 93444 14003 02162 000 000

11564/10487/9319 kHz, 1900/1920/1940 UTC
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11564/10487/9319 kHz, 16-07/18-07, 1900/1920/1940 UTC

258 258 258 1 4155 285 4155 285
38073 22818 31941 62632 52106 81504 28226 28051 10637 73178
68085 95124 94884 97612 78742 02003 85419 84536 86559 12847
64274 35524 82770 32131 02759 97197 46528 02238 54743 45978

41545 52816 63366 89699 35900 21265 59333 79408 32027 90374
19825 35738 82030 09037 80199 87908 46100 91009 25973 83300
77654 89028 83648 85294 06508 02548 40046 99808 59872 54907
34976 25988 73306 64658 30622 15267 31758 05185 61711 57476
42668 06010 52509 96144 03021 28536 53493 73733 51931 14850
51096 55518 76263 71442 68323 52505 69166 78071 83191 33352
81217 59524 19535 77118 55398 93835 62431 17372 78413 64931
56510 40915 29296 68496 40631 71643 36529 87502 82272 77971
49054 66312 47877 45022 03811 79456 49724 01863 96333 78115
46099 53685 21993 28359 76257 83143 86473 75390 40746 09185
66104 36120 95318 86998 58699 10181 26221 07767 30811 96678
15976 81662 95798 05220 84297 14904 11647 74512 73306 75941
44111 60567 21037 00297 18831 02464 18921 00937 92237 57487
85168 61138 46756 73086 11867 12933 70992 60877 86321 93628
53234 41956 71051 99654 62139 64435 75886 16773 44060 61352
71495 11961 02083 64804 65072 05536 15083 95020 68166 56234
91258 50284 15529 73323 11509 54837 34906 22711 93352 71364
43910 50768 88189 79677 22706 02155 89514 21381 38157 54395
44577 02148 56875 30884 85990 73207 59054 81951 08014 06330
97848 75971 92710 30087 02370 27950 26426 97727 88144 07302
29529 35174 23420 72695 17442 20727 23770 22405 42097 62917
16021 93700 56863 13771 11657 89110 68407 84644 87331 38301
95781 52953 14696 87022 73514 67938 58057 58102 77306 94755
75727 91785 33236 30855 24865 09402 78726 84178 13442 65263
49437 36649 39854 45096 90307 04147 19107 78938 18429 13258
59541 41781 10395 49843 11519 000 000

17453/16312/15836 kHz, 2100/2120/2140 kHz

17453/16312/15836 kHz, 10-07/17-07/18-07, 2100/2120/2140 kHz

438 438 438 1 9646 163 9646 163
07930 75061 20217 79361 35800 75638 33708 23667 62415 58616
33332 92742 50972 10965 46443 45649 89467 16469 49061 12992
61086 10952 19090 66184 82859 68210 95773 98520 73956 25748
44189 55775 69646 69605 85802 65224 09328 28541 88583 96066
06913 98453 55181 13536 20967 61826 71803 26991 17860 16057
28218 27461 54313 24049 80766 74655 32787 76432 38641 61793
00215 62852 32493 76005 39937 57199 61085 344?1 79132 40294
77822 27433 97142 68313 13881 62538 69543 10627 50287 90675
25077 75542 36689 58481 09704 86908 10751 53516 21163 64967
13116 47665 27902 23487 28933 17612 10805 84191 52095 70627
27906 83480 04018 18936 48324 84224 96418 36013 41968 42857
54022 76138 80943 59870 19307 74639 62839 76722 79069 19863
23222 39027 64287 44512 95957 95725 67412 01715 89431 74403
45564 70573 16368 94377 24135 31745 05579 24488 95638 97859
64919 16390 65240 71028 08213 71426 82754 77410 31446 26753
60187 65901 62811 50593 29350 74757 54897 08200 31955 53476
45640 98175 26216 000 000

M14

12211/10243 kHz, 01-07, 0500/0520 UTC

952 761 761 33 33 = =
36357 76571 42355 01207 01978 47725 57421 93252 46859 00763
92619 53553 41319 94768 55837 58935 31374 44266 16941 19920
50667 97634 93573 78526 53208 19520 56997 06160 46591 75695
50117 62544 30390
= = 761 761 33 33

952 617 617 34 34 = =
72986 51995 01641 87364 50840 04436 88192 84349 69285 26290
55659 62945 20053 26382 74015 77304 70258 97101 64266 02736

22894 60613 48243 78453 99292 24929 47721 96897 54506 04531
06286 06831 61522 85238
= = 617 617 34 34 00000

12211 kHz, 02-07, 0500 UTC

10243 kHz, 02-07, 0520 UTC. No transmission

Yesterday's 2nd message is now the 1st message and the 2nd message is new

952 617 617 34 34 = =
72986 51995 01641 87364 50840 04436 88192 84349 69285 26290
55659 62945 20053 26382 74015 77304 70258 97101 64266 02736
22894 60613 48243 78453 99292 24929 47721 96897 54506 04531
06286 06831 61522 85238
= = 617 617 34 34

952 840 840 16 16 = =
66520 28435 33243 20215 28450 55082 33426 65515 25224 32004
91794 68656 09803 61282 80172 70752
= = 840 840 16 16 00000

12211/10243 kHz, 03-07, 0500/0520 UTC

952 952 952 00000

12211/10243 kHz, 06-07/07-07, 0500/0520 UTC

952 834 834 54 54 = =
73728 56212 89547 07411 10683 11994 44098 61394 01895 50198
24276 00149 45451 19156 36160 51217 39792 89647 01608 38606
53547 22873 91845 19344 52123 22096 79339 12242 85700 91435
25761 05459 68366 50211 47181 51743 03022 76295 24741 90757
31801 76911 52342 55951 16651 10306 38766 53998 79779 06735
06373 27045 58658 62214
= = 834 834 54 54 00000

12211/10243 kHz, 08-07/08-08, 0500/0520 UTC

952 368 368 24 24 = =
25555 11833 78587 24736 20219 60623 98987 04598 86864 20686
84156 08151 60249 01139 31322 54703 77798 68579 45805 07561
14512 65362 51174 18527
= = 368 368 24 24

952 701 701 26 26 = =
20710 16748 15443 03431 50821 24468 98261 32103 26971 71178
21798 48995 11457 11048 44949 16866 26927 46615 02063 39748
32487 53122 42865 58819 71799 12715
= 368 368 26 26 00000

12211/10243 kHz, 10-07, 0500/0520 UTC

952 952 952 00000

12211/10243 kHz, 13-07/14-07, 0500/0520 UTC

952 140 140 55 55 = =
57097 71549 58169 82633 84552 31020 67186 89458 44460 44917
35721 63607 53749 89858 81703 43935 27668 21934 59868 50569
74154 92342 58718 63493 55509 99470 79616 11777 03276 07064
46455 15629 97287 83217 19316 48480 44817 39848 10579 11272
20748 77334 26909 36128 54735 64035 85556 61629 76259 05346
78417 46832 53544 81999 82277
= = 140 140 55 55 00000

12211/10243 kHz, 15-07/16-07, 0500/0520 UTC

952 841 841 11 11 = =
77627 98944 58677 51808 58469 65200 32904 01256 15161 85279
63181
= = 841 841 11 11

952 736 736 48 48 = =
39966 51746 75196 31814 19856 50509 09228 21321 55476 25567
52026 86433 04504 27398 41407 18345 08535 67069 23205 73744
63575 62493 51316 18773 58622 25022 89406 81296 55723 53552
50205 91152 10000 28349 33345 13079 53034 21751 47667 02010
88078 67969 28946 35414 70521 59147 88948 02377
= = 736 736 48 48 00000

12211/10243 kHz, 17-07, 0500/0520 UTC

952 952 952 00000

12211/10243 kHz, 20-07/21-07, 0500/0520 UTC

952 607 607 51 51 = =
50607 85903 18286 21557 78916 66742 16122 64786 94501 87851
67570 01439 24321 17303 54368 22107 05885 40363 66501 69963
96249 23261 14778 72353 73705 40328 60279 56844 61813 12958
02917 62698 30498 33816 96234 83690 53880 74748 80683 03209
29530 01812 52537 07573 88842 45872 10638 88527 53201 02211
48161
= = 607 607 51 51 00000

12211/10243 kHz, 22-07/23-07, 0500/0520 UTC

23-07, 0500z: no closing nulls

952 381 381 26 26 = =
11277 74595 49995 28951 98206 65230 70882 10937 90708 14713
23773 55793 82133 33232 51761 14801 82959 18566 45679 26769
85461 98176 48270 07636 55426 06539
= = 381 381 26 26

952 406 406 31 31 = =
45468 20251 20566 87279 37193 46729 10495 15924 31966 61053
97983 00570 30535 27382 80942 91377 61811 55782 12226 40193
97884 46026 62345 32861 09358 33041 90489 63046 28211 69963
03522
= = 406 406 31 31 00000

12211/10243 kHz, 27-07/28-07, 0500/0520 UTC

27-07, 0527 UTC. Late start. Restarts.

952 738 738 51 51 = =
21650 08302 28363 23168 97043 27505 19446 73345 18915 77627
03091 02722 51539 19379 54498 20578 82708 73623 62543 69019
86589 04437 88777 36734 86292 00682 19108 36140 33332 42078
37837 92340 46171 60660 78755 17340 75034 33602 32978 67942
85178 68313 18192 10792 75806 65765 39032 42965 76813 72973
93252
= = 738 7308 51 51 00000

12211 kHz, 24-07, 0500 UTC No transmission

10243 kHz, 24-07, 0520 UTC 952 952 952 00000

12211/10243 kHz, 29-07/30-07, 0500/0520 UTC

952 16 146 23 23 = =
19198 41005 36323 83314 90244 09467 77106 41237 57975 79244
84239 81303 46231 89726 30613 22728 99882 84286 03187 25779
22595 67845 34553
= = 146 146 23 23

952 307 307 28 28 = =
15484 07766 41433 13656 32240 27557 16430 48852 09164 16397
79312 44458 32122 50674 22245 87444 41715 37070 72062 54157
05482 17361 33042 17902 24589 45590 91480 65608
= = 307 307 28 28 00000

12211/10243 kHz, 31-07, 0500/0520 UTC
952 952 952 00000

M23

6806 kHz

08-07, 1835 UTC 6 and 0 groups

10-07/19-07, 2100 UTC 3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z

11-07/20-07, 0400 UTC 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z

15-07, 2200 UTC Hourly beep
16-07, 0300 UTC Hourly beep
16-07, 0900 UTC Hourly beep
16-07, 1600 UTC Hourly beep
17-07, 0800 UTC Hourly beep
19-07, 1100 UTC Hourly beep

15-07, 1518 UTC

VVV VVV VVV VVV RP RP RP RP ??
DE KPM MFM KM DE VM VM K K
DE RP RP ____ II
DE VM VM K K
DE RP RP
CQ CQ CQ CQ DE VM V K K
DE RP QRA 3 QSA 3 K
KM KM DE VM QSA 1 QSA 1 QRK 0 QRK 0
HI HI RP RP RP RP VM K
DE RP K
RP DE VM VM QSA1 QRT ____ QRK 0 QRK 0
HI HI HI VM VM VM K

M51a / M51b

M51b: 3881/6825 kHz, 26-07, 0610 UTC. Non-stop 5-character groups

POMPO WFUGJ VNDKE AQPOD NVHDK WTDDB ZMCNB DJEIL POLIU 36521
XLPKO AS,?/ ZCXSA CDGET NVIUQ ASWOP FJEIR LFKJW POEIQ SKEIW
20309 XMAKQ ., '=' CBDHS AZNSJ NCAPY AQNRY SWIDF ZOEPL CNDKE
RWODK 85236 XANQU ?.,? DJQEI AJDKO MCNDH SXZCW HCUWP LDOWP
AZNQM EIDKQ 17890 AQPDL AS,VA, ' AQPOM CNDKW XMAKW DLWPO XMZNS
KDSLP WIDAM JAMER 18973 CMKUI ,.AR?. LAOSW JDIWH XZNSJ BMNEO
RITOF WEISJ SLWOD CBZMA 32698 MLOY ?/,AS XZMSN JDGHE DHWIL
APQOW CBAJW MLKSI ZXNWB DKOLP 78512 FGHEI 'AS/VA? AQPWO CNDJW
ANDER MORN PLOFE XNSIW AQOKS XBNWI 98652 BXAIQ ,?. '= MAGDA
LORGH BIDUL WERTY ALPES XCBWU AQKDI NCHSI ,.?' / CMFAQ 36980
AQPOL CMVNE VJCME ZWERP LFKHM VBCNW AQISG CBDNI 30258 JFYRT
'VA.AS, VNMRO FKSWU FDPFE VXSFW NBMRK LHPYO CZAXQ VDTAF QFATH
47596 CZAXQ ?.,=' BXSJW JFCDI LHPOT

DHIQU VCGSH PELEO XAQEZ NCBDG MVNBT PTOTI BVNVE SWREG 02589
ZBAQV ,.?AS/ NCBDH MNLHK CXSDW ASQWE CBXBW LGRPO CBHYW NVVMR
45896 BSGWY ,.'VA? BCDHE LHPOT BCNDW XMKWU ASQVS NJDEF MFKE
VXSGW 47896 MBKIG ,.'AR/ MCDJU MVLOR ACQRZ NCDHE MBCND LGPRO
SDWRE NNCJE 74302 QOWIE ,VA'AS? NVBXC NSWPO NDEYJ DJKET AXZVS
NVMRU NDPEJ WRSFU 43269 VCSWH .,?/= KDWIC SNSJW VZWPO LFMKR
DREGN MCEIS MCKDO AFQTH 01658 MNGKT /.,?' NSYWP ASQEZ NXHWY
MXWJK LFPEI CNMWI ZCVQT MVIEW 49635 DSQEF ,.'?AS MVLPE QADTD

NDJEI CVDDBE FKEIS QEAFY CBDFW VFLPE 41203 XCSAD ?,'.AS ASQRV
NVDYE MCDEI BXBWH ALPQE BCDDY CBXBX NXWPO ?,.'/ MCIWO 52901
SNHWY BDGWT XWEUD NVLEO XWPCN ASKEO BGETQ CBNSK 41123 MOEPL
AR.VA,' QPALO BCGEY MXNWU CXGAH NBHFE KGORL LBPOF VZXAS QBYXY
.,?'VA VXRAD 25893 VXATG LGPRO DGURA

M51a: 6825 kHz, 26-07, 0700 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

DIMANCHE / LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =
CNDJE QATLD BVCNE ZMALO OWLPS SHDYE BNNXM AKQIU KFJEI 23658
VCSBS .?,ASVA IWOEJ VXFSS AHQUS VDGWT SHGYW NCGET SAGQY VXTEU
11976 LMPHO /=.VA' BCGCS SALQO ZNXBS DJWUG SLOWP SNDNW SKAYU
PWOIE 89650 BXCSD ,AS.,/ CXRSY KOSPO BAERE BVNDJ LKOEI DGFWT
CXZVA NCBYW 32980 NVHEI .',/? AQPSL MXZNA LAPQI BCVSN SKAOQ
XMLJA SHQUX VCBSH 45873 LPFOE '/?AR. DKWJH BCNSJ CXGAE CBNSW
AR.,/' CAZQS 58236 FZDQH VCBHS LKOEI CXAHQ BCNDJ KSLQI NVBDH
XZKIW 25869 LMPOS ./'VA ZAKLD OQPKX BVCNS MXJSI +

DIMANCHE / LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =
EN FRANCE, TROIS SOCIÉTÉS SE PARTAGENT LE MARCHÉ DES CALCULATEURS. LA SEA (SOCIÉTÉ D'ÉLECTRONIQUE ET D'AUTOMATISME) DÉVELOPPE DES MACHINES DE TYPE VON NEUMAN/TURING. SES COMMANDES POUR LA DÉFENSE LUI PERMETTENT DE DÉVELOPPER PLUSIEURS MACHINES QUI ABOUTISSENT À SON MODÈLE LE PLUS CÉLÈBRE, LA CAB500. LA CEAE (COMPAGNIE EUROPÉENNE D'AUTOMATISME ET D'ELECTRONIQUE) FONDÉE EN 1960 TRAVAILLE ÉGALEMENT POUR LES ARMÉES. ENFIN LA CMB (COMPAGNIE DES MACHINES BULL), QUI PENDANT LA PÉRIODE 1949-1962 SE DÉVELOPPE EN FRANCE ET À L'ÉTRANGER. +

CQ DE FAV22 VA

M51a: 6825 kHz, 26-07, 0820 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

DIMANCHE / LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =
VXSYW JSJPO APQOI VCBSH ZXSKL NMVCB EUYSJ KLJHS VCBXH 02564
BCDFW ?AR.,' LPDOU XNCBM XZSAD VCBSS NOLEP VCBSSQ RYTUI MDJSI
,'.?/ NSACQ 58401 KDOEP VMDKW LDOUA ZSWOJ BCNDH KDUEI VCNAQ
ALPCI 48932 LPOEI ,/.ASVA ZAQID BBCEJ ALKSO XBCHS SJWIX BCNCJ
CMSKW CZFST 12036 SAWQD .?=? ZNXJS QPLOS DHDWU XBCNS AJSWI
XETYC VNMSK AQOIW 89564 JGUYI ?/.,' JQIAL OILPU XVAGW DHFGR
VNMEI SAHWU DDPLI CBSJW 23561 VSDWR ?,.VA' NCPOE XBSHW SKWOP
SABWU CBEYD NBMCK SAJWU XCVWY 43692 BCHWJ .?/AS. CXAFQ JFILH
MNLFP +

DIMANCHE / LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =
DANS LE MILIEU DES ANNÉES 50, L'ARRIVÉE DES TRANSISTORS SUR LE MARCHÉ CONDUIT LES INDUSTRIELS À REMPLACER LES LAMPES À VIDE DE LEURS CALCULATEURS PAR CETTE NOUVELLE TECHNOLOGIE PLUS PERFORMANTE ET PLUS ÉCONOMIQUE. ILS COMMERCIALISENT ALORS DES ORDINATEURS DITS DE 2ÈME GÉNÉRATION: IBM 7000 ET 1400, UNIVAC 3 ET 1107, RCA 302 ET 501. LE GAIN EN PLACE, EN VITESSE ET EN ÉNERGIE EST CONSIDÉRABLE. LES TRANSISTORS ÉTANT ISOLÉS, LES MACHINES RESTENT CEPENDANT GIGANTESQUES. EN FRANCE, LA CMB (OU BULL) LANCE EN 1962 LE GAMMA 10, PREMIER VÉRITABLE ORDINATEUR DE 2ÈME GÉNÉRATION DE LA FIRME. +

CQ DE FAV22 VA

M89 - Chinese Military

5665 kHz, 26-06, 1840 UTC. i.p. Both stations on this freq. Appears to practice

/DEF2 AR

F F NR 249/EX 0241 RMKS 0436 TO 0329 = IUD2/JED1 AR

NR 250 CK 249 17 0707 0140. RMKS 9634 TO 9352 =

NR 250 CK 249 53 0707 0140 RMKS 0436 TO 032N =

UM04 - PROMRCh

4735 kHz, 01-07, 0700 UTC

```
VVV VVV PROMRCh =01 07 =
1000 0750 0780 0880 1300
1200 0780 0800 0900 1350
1400 0790 0810 0910 0550
1600 0760 0790 0900 1280
1800 0720 0740 0840 1170
2000 0790 0820 0910 2302
2200 0780 0810 0890 1190
0000 0620 0740 0810 1060
0200 0670 0690 0750 0980
0400 0570 0590 0650 0870
0600 0620 0640 0730 0990
0800 0730 0750 0860 1180
= ARV
```

```
VVV VVV PROMRCh =01 07 =
1000 0750 0780 0880 1300
1200 0780 0800 0900 1350
1400 0790 0810 0910 0550
1600 0760 0790 0900 1280
1800 0720 0740 0840 1170
2000 0790 0820 0910 2302
2200 0780 0810 0890 1190
0000 0620 0740 0810 1060
0200 0670 0690 0750 0980
0400 0570 0590 0650 0870
0600 0620 0640 0730 0990
0800 0730 0750 0860 1180
= AR
```

4735 kHz, 05-07, 0700 UTC

```
VVV VVV PROMRCh = 05 07 =
1000 0750 0780 0880 1300
1200 0780 0810 0910 1350
1400 0790 0820 0920 1340
1600 0770 0800 0910 1270
1800 0730 0760 0860 1180
2000 0810 0840 0930 1240
2200 0800 0820 0910 1200
0000 0530 0750 0820 1070
0200 0680 0700 0760 0990
0400 0580 0600 0660 0870
0600 0620 0650 0730 0990
0800 0720 0750 0850 1180
= ABV
```

```
VVV VVV PROMRCh = 05 07 =
1000 0750 0780 0880 1300
1200 0780 0810 0910 1350
1400 0790 0820 0920 1340
1600 0770 0800 0910 1270
1800 0730 0760 0860 1180
2000 0810 0840 0930 1240
2200 0800 0820 0910 1200
0000 0530 0750 0820 1070
0200 0680 0700 0760 0990
0400 0580 0600 0660 0870
0600 0620 0650 0730 0990
0800 0720 0750 0850 1180
= AR
```

4735 kHz, 02-07, 0701 UTC

```
VVV VVV PROMRCh = 02 07 =
1000 0750 0780 0890 1290
1200 0650 0810 0900 1550
1400 0790 0820 0920 1350
1600 0770 0790 0900 1270
1800 0720 0750 0850 1170
2000 0800 0820 0920 1230
2200 0790 0810 0900 1190
0000 0730 0740 0820 1070
0200 0670 0690 0750 0980
0400 0570 0590 0650 0900
0600 0620 0650 0730 0930
0800 0730 0750 0860 1160
= ARV
```

```
VVV VVV PROMRCh = 02 07 =
1000 0750 0780 0890 1290
1200 0650 0810 0900 1550
1400 0790 0820 0920 1350
1600 0770 0790 0900 1270
1800 0720 0750 0850 1170
2000 0800 0820 0920 1230
2200 0790 0810 0900 1190
0000 0730 0740 0820 1070
0200 0670 0690 0750 0980
0400 0570 0590 0650 0900
0600 0620 0650 0730 0930
0800 0730 0750 0860 1160
= AR
```

4735 kHz, 06-07, 0700 UTC

```
VVV VVV PROMRCh = 06 07 =
1000 0750 0770 0880 1300
1200 0780 0800 0900 1340
1400 0790 0820 0910 1340
1600 0770 0790 0900 1270
1800 0730 0750 0850 1180
2000 0800 0830 0920 1230
2200 0790 0810 0900 1190
0000 0630 0740 0820 1070
0200 0690 0710 0770 0990
0400 0590 0600 0670 0880
0600 0620 0640 0730 0990
0800 0720 0740 0850 1180
= ABV
```

```
VVV VVV PROMRCh = 06 07 =
1000 0750 0770 0880 1300
1200 0780 0800 0900 1340
1400 0790 0820 0910 1340
1600 0770 0790 0900 1270
1800 0730 0750 0850 1180
2000 0800 0830 0920 1230
2200 0790 0810 0900 1190
0000 0630 0740 0820 1070
0200 0690 0710 0770 0990
0400 0590 0600 0670 0880
0600 0620 0640 0730 0990
0800 0720 0740 0850 1180
= AR
```

4735 kHz, 03-07, 0700 UTC

```
VVV VVV PROMRCh = 03 07 =
1000 0750 0770 0880 1300
1200 0780 0800 0890 1350
1400 0790 0810 0920 1340
1600 0770 0790 0900 1270
1800 0720 0750 0850 1170
2000 0800 0820 0920 1230
2200 0790 0820 0900 1190
0000 0730 0740 0820 1070
0200 0680 0690 0760 0980
0400 0580 0600 0660 0870
0600 0620 0640 0730 0990
0800 0720 0750 0850 1180
= ARV
```

```
VVV VVV PROMRCh = 03 07 =
1000 0750 0770 0880 1300
1200 0780 0800 0890 1350
1400 0790 0810 0920 1340
1600 0770 0790 0900 1270
1800 0720 0750 0850 1170
2000 0800 0820 0920 1230
2200 0790 0820 0900 1190
0000 0730 0740 0820 1070
0200 0680 0690 0760 0980
0400 0580 0600 0660 0870
0600 0620 0640 0730 0990
0800 0720 0750 0850 1180
= AR
```

4735 kHz, 07-07, 0700 UTC

```
VVV VVV PROMRCh = 07 07 =
1000 0740 0770 0870 1300
1200 0770 0800 0890 1350
1400 0780 0810 0910 1340
1600 0760 0790 0880 1270
1800 0720 0750 0850 1170
2000 0800 0820 0920 1230
2200 0780 0810 0890 1180
0000 0720 0740 0810 1060
0200 0670 0690 0750 0970
0400 0580 0600 0660 0870
0600 0620 0640 0720 0980
0800 0740 0740 0840 1170
= ABV
```

```
VVV VVV PROMRCh = 07 07 =
1000 0740 0770 0870 1300
1200 0770 0800 0890 1350
1400 0780 0810 0910 1340
1600 0760 0790 0880 1270
1800 0720 0750 0850 1170
2000 0800 0820 0920 1230
2200 0780 0810 0890 1180
0000 0720 0740 0810 1060
0200 0670 0690 0750 0970
0400 0580 0600 0660 0870
0600 0620 0640 0720 0980
0800 0740 0740 0840 1170
= AR
```

4735 kHz, 04-07, 0700 UTC

VVV VVV PROMRCh = 04 07 =
1000 0750 0780 0880 1300
1200 0780 0810 0900 1350
1400 0790 0810 0910 1340
1600 0760 0790 0900 1270
1800 0730 0750 0860 1170
2000 0800 08Ü0 0920 1240
2200 0790 0820 0900 1230
0000 0530 0750 0820 1070
0200 0680 0700 0760 0990
0400 0580 0600 0660 0870
0600 0620 0640 0730 0990
0800 0720 0750 0850 1180
= ARV

```
VVV VVV PROMRCh = 04 07 =
1000 0750 0780 0880 1300
1200 0780 0810 0900 1350
1400 0790 0810 0910 1340
1600 0760 0790 0900 1270
1800 0730 0750 0860 1170
2000 0800 08Ü0 0920 1240
2200 0790 0820 0900 1230
0000 0530 0750 0820 1070
0200 0680 0700 0760 0990
0400 0580 0600 0660 0870
0600 0620 0640 0730 0990
0800 0720 0750 0850 1180
= AR
```

4735 kHz, 08-07, 0702 UTC

```
VVV VVV PROMRCh = 08 07 =
1000 0730 0760 0860 1300
1200 0770 0790 0890 1350
1400 0790 0800 0900 1340
1600 0750 0780 0880 1270
1800 0720 0740 0850 1160
2000 0790 0820 0910 1220
2200 0780 0800 0890 1170
0000 0610 0730 0800 1050
0200 0670 0680 0750 0970
0400 0580 0600 0650 0860
0600 0610 0630 0720 0980
0800 0700 0730 0830 1160
= ABV
```

```
VVV VVV PROMRCh = 08 07 =
1000 0730 0760 0860 1300
1200 0770 0790 0890 1350
1400 0790 0800 0900 1340
1600 0750 0780 0880 1270
1800 0720 0740 0850 1160
2000 0790 0820 0910 1220
2200 0780 0800 0890 1170
0000 0610 0730 0800 1050
0200 0670 0680 0750 0970
0400 0580 0600 0650 0860
0600 0610 0630 0720 0980
0800 0700 0730 0830 1160
= AR
```


4735 kHz, 17-07, 0700 UTC

VVV VVV PROMRCh = 17 01 =
 1000 0690 0720 0830 1310
 1200 0730 0750 0860 1350
 1400 0750 0770 0870 1340
 1600 0730 0750 0860 1260
 1800 0680 0710 0810 1120
 2000 0800 0790 0880 1180
 2200 0740 0760 0850 1130
 0000 0670 0690 0760 1000
 0200 0520 0540 0700 0910
 0400 0540 0580 0610 0810
 0600 0370 0590 0880 0750
 0800 0650 0680 0890 1150
 = ABV

VVV VVV PROMRCh = 17 01 =
 1000 0690 0720 0830 1310
 1200 0730 0750 0860 1350
 1400 0750 0770 0870 1340
 1600 0730 0750 0860 1260
 1800 0680 0710 0810 1120
 2000 0800 0790 0880 1180
 2200 0740 0760 0850 1130
 0000 0670 0690 0760 1000
 0200 0520 0540 0700 0910
 0400 0540 0580 0610 0810
 0600 0370 0590 0880 0750
 0800 0650 0680 0890 1150
 = AR

4735 kHz, 21-07, 0700 UTC

VVV VVV PROMRCh = 21 07 =
 1000 0660 0690 0800 1310
 1200 0770 0720 0830 1350
 1400 0710 0740 0840 1340
 1600 0700 0730 0840 1260
 1800 0650 0680 0780 1090
 2000 0730 0760 0850 1140
 2200 0710 0730 0820 1100
 0000 0650 0670 0740 0970
 0200 0600 0610 0670 0870
 0400 0520 0540 0590 0780
 0600 0540 0570 0650 0910
 0800 0620 0650 0760 1150
 = ABV

VVV VVV PROMRCh = 21 07 =
 1000 0660 0690 0800 1310
 1200 0770 0720 0830 1350
 1400 0710 0740 0840 1340
 1600 0700 0730 0840 1260
 1800 0650 0680 0780 1090
 2000 0730 0760 0850 1140
 2200 0710 0730 0820 1100
 0000 0650 0670 0740 0970
 0200 0600 0610 0670 0870
 0400 0520 0540 0590 0780
 0600 0540 0570 0650 0910
 0800 0620 0650 0760 1150
 = AR

4735 kHz, 18-07, 0700 UTC

VVV VVV PROMRCh = 18 07 =
 1000 0690 0720 0830 1310
 1200 0730 0760 0860 1350
 1400 0750 0770 0870 1340
 1600 0730 0760 0860 1260
 1800 0680 0710 0810 1120
 2000 0760 0780 0880 1180
 2200 0740 0760 0850 1130
 0000 0660 0680 0750 0990
 0200 0610 0630 0690 0900
 0400 0540 0550 0610 0810
 0600 0570 0590 0670 0930
 0800 0650 0680 0780 1150
 = ABV

VVV VVV PROMRCh = 18 07 =
 1000 0690 0720 0830 1310
 1200 0730 0760 0860 1350
 1400 0750 0770 0870 1340
 1600 0730 0760 0860 1260
 1800 0680 0710 0810 1120
 2000 0760 0780 0880 1180
 2200 0740 0760 0850 1130
 0000 0660 0680 0750 0990
 0200 0610 0630 0690 0900
 0400 0540 0550 0610 0810
 0600 0570 0590 0670 0930
 0800 0650 0680 0780 1150
 = AR

4735 kHz, 22-07, 0700 UTC

VVV VVV PROMRCh = 22 07 =
 1000 0660 0690 0800 1310
 1200 0690 0720 0830 1350
 1400 0700 0730 0830 1340
 1600 0700 0730 0830 1260
 1800 0650 0680 0780 1080
 2000 0730 0760 0850 1140
 2200 0700 0730 0810 1090
 0000 0630 0650 0720 0960
 0200 0570 0590 0680 0840
 0400 0500 0520 0580 0770
 0600 0540 0560 0640 0900
 0800 0620 0650 0760 1150
 = ABV

VVV VVV PROMRCh = 22 07 =
 1000 0660 0690 0800 1310
 1200 0690 0720 0830 1350
 1400 0700 0730 0830 1340
 1600 0700 0730 0830 1260
 1800 0650 0680 0780 1080
 2000 0730 0760 0850 1140
 2200 0700 0730 0810 1090
 0000 0630 0650 0720 0960
 0200 0570 0590 0680 0840
 0400 0500 0520 0580 0770
 0600 0540 0560 0640 0900
 0800 0620 0650 0760 1150
 = AR

4735 kHz, 19-07, 0700 UTC

VVV VVV PROMRCh = 19 07 =
 1000 0690 0720 0820 1310
 1200 0720 0750 0850 1350
 1400 0740 0770 0870 1340
 1600 0720 0750 0850 1260
 1800 0680 0700 0800 1110
 2000 0750 0780 0870 1170
 2200 0730 0760 0840 1130
 0000 0660 0680 0750 0990
 0200 0610 0620 0690 0890
 0400 0530 0550 0610 0800
 0600 0560 0590 0670 0930
 0800 0640 0670 0790 1150
 = ABV

VVV VVV PROMRCh = 19 07 =
 1000 0690 0720 0820 1310
 1200 0720 0750 0850 1350
 1400 0740 0770 0870 1340
 1600 0720 0750 0850 1260
 1800 0680 0700 0800 1110
 2000 0750 0780 0870 1170
 2200 0730 0760 0840 1130
 0000 0660 0680 0750 0990
 0200 0610 0620 0690 0890
 0400 0530 0550 0610 0800
 0600 0560 0590 0670 0930
 0800 0640 0670 0790 1150
 = AR

4735 kHz, 23-07, 0700 UTC

VVV VVV PROMRCh = 23 07 =
 1000 0650 0680 0790 1310
 1200 0680 0700 0810 1350
 1400 0690 0720 0830 1340
 1600 0690 0720 0820 1260
 1800 0640 0670 0770 1070
 2000 0710 0740 0830 1120
 2200 0690 0710 0800 1080
 0000 0620 0640 0710 0950
 0200 0560 0570 0630 0830
 0400 0500 0510 0570 0760
 0600 0530 0550 0640 0890
 0800 0600 0630 0740 1150
 = ABV

VVV VVV PROMRCh = 23 07 =
 1000 0650 0680 0790 1310
 1200 0680 0700 0810 1350
 1400 0690 0720 0830 1340
 1600 0690 0720 0820 1260
 1800 0640 0670 0770 1070
 2000 0710 0740 0830 1120
 2200 0690 0710 0800 1080
 0000 0620 0640 0710 0950
 0200 0560 0570 0630 0830
 0400 0500 0510 0570 0760
 0600 0530 0550 0640 0890
 0800 0600 0630 0740 1150
 = AR

4735 kHz, 20-07, 0700 UTC

VVV VVV PROMRCh = 20 07 =
 1000 0680 0710 0820 1310
 1200 0710 0740 0840 1350
 1400 0730 0750 0860 1340
 1600 0720 0740 0850 1260
 1800 0670 0700 0790 1100
 2000 0750 0770 0860 1160
 2200 0730 0750 0830 1100
 0000 0760 0680 0750 0980
 0200 0600 0620 0680 0880
 0400 0530 0540 0600 0790
 0600 0550 0580 0660 0920
 0800 0630 0670 0770 1150
 = ABV

VVV VVV PROMRCh = 20 07 =
 1000 0680 0710 0820 1310
 1200 0710 0740 0840 1350
 1400 0730 0750 0860 1340
 1600 0720 0740 0850 1260
 1800 0670 0700 0790 1100
 2000 0750 0770 0860 1160
 2200 0730 0750 0830 1100
 0000 0760 0680 0750 0980
 0200 0600 0620 0680 0880
 0400 0530 0540 0600 0790
 0600 0550 0580 0660 0920
 0800 0630 0670 0770 1150
 = AR

4735 kHz, 24-07, 0700 UTC

VVV VVV PROMRCh = 24 07 =
 1000 0680 0710 0810 1310
 1200 0700 0730 0840 1350
 1400 0720 0750 0850 1340
 1600 0720 0750 0850 1250
 1800 0680 0700 0810 1120
 2000 0750 0780 0870 1170
 2200 0710 0740 0820 1110
 0000 0640 0660 0730 0970
 0200 0510 0530 0580 0780
 0400 0460 0480 0530 0710
 0600 0540 0560 0650 0900
 0800 0630 0660 0770 1150
 = ABV

VVV VVV PROMRCh = 24 07 =
 1000 0680 0710 0810 1310
 1200 0700 0730 0840 1350
 1400 0720 0750 0850 1340
 1600 0720 0750 0850 1250
 1800 0680 0700 0810 1120
 2000 0750 0780 0870 1170
 2200 0710 0740 0820 1110
 0000 0640 0660 0730 0970
 0200 0510 0530 0580 0780
 0400 0460 0480 0530 0710
 0600 0540 0560 0650 0900
 0800 0630 0660 0770 1150
 = AR

4735 kHz, 25-07, 0700 UTC

VVV VVV PROMRCh = 25 07 =
 1000 0670 0700 0810 1310
 1200 0700 0720 0830 1350
 1400 0710 0740 0850 1340
 1600 0710 0740 0850 1250
 1800 0670 0700 0800 1110
 2000 0750 0770 0860 1170
 2200 0710 0730 0820 1100
 0000 0640 0650 0730 0960
 0200 0500 0520 0570 0760
 0400 0450 0470 0520 0700
 0600 0530 0560 0640 0900
 0800 0630 0660 0770 1140
 = ABV

VVV VVV PROMRCh = 25 07 =
 1000 0670 0700 0810 1310
 1200 0700 0720 0830 1350
 1400 0710 0740 0850 1340
 1600 0710 0740 0850 1250
 1800 0670 0700 0800 1110
 2000 0750 0770 0860 1170
 2200 0710 0730 0820 1100
 0000 0640 0650 0730 0960
 0200 0500 0520 0570 0760
 0400 0450 0470 0520 0700
 0600 0530 0560 0640 0900
 0800 0630 0660 0770 1140
 = AR

4735 kHz, 29-07, 0700 UTC

VVV VVV PROMRCh = 29 07 =
 1000 0730 0750 0860 1300
 1200 0750 0780 0880 1350
 1400 0760 0790 0890 1340
 1600 0760 0780 0890 1250
 1800 0700 0730 0830 1140
 2000 0770 0800 0890 1200
 2200 0730 0750 0840 1130
 0000 0650 0670 0740 0980
 0200 0540 0560 0610 0810
 0400 0470 0490 0550 0730
 0600 0550 0570 0650 0910
 0800 0650 0680 0790 1140
 = ABV

VVV VVV PROMRCh = 29 07 =
 1000 0730 0750 0860 1300
 1200 0750 0780 0880 1350
 1400 0760 0790 0890 1340
 1600 0760 0780 0890 1250
 1800 0700 0730 0830 1140
 2000 0770 0800 0890 1200
 2200 0730 0750 0840 1130
 0000 0650 0670 0740 0980
 0200 0540 0560 0610 0810
 0400 0470 0490 0550 0730
 0600 0550 0570 0650 0910
 0800 0650 0680 0790 1140
 = AR

4735 kHz, 26-07, 0700 UTC

VVV VVV PROMRCh = 26 07 =
 1000 0670 0700 0810 1300
 1200 0690 0720 0830 1350
 1400 0710 0740 0840 1340
 1600 0710 0740 0850 1250
 1800 0670 0700 0800 1100
 2000 0740 0770 0860 1160
 2200 0700 0730 0820 1100
 0000 0630 0650 0720 0960
 0200 0510 0520 0580 0770
 0400 0460 0470 0530 0710
 0600 0530 0560 0640 0890
 0800 0630 0660 0770 1140
 = ABV

VVV VVV PROMRCh = 26 07 =
 1000 0670 0700 0810 1300
 1200 0690 0720 0830 1350
 1400 0710 0740 0840 1340
 1600 0710 0740 0850 1250
 1800 0670 0700 0800 1100
 2000 0740 0770 0860 1160
 2200 0700 0730 0820 1100
 0000 0630 0650 0720 0960
 0200 0510 0520 0580 0770
 0400 0460 0470 0530 0710
 0600 0530 0560 0640 0890
 0800 0630 0660 0770 1140
 = AR

4735 kHz, 30-07, 0700 UTC

VVV VVV PROMRCh = 30 07 =
 1000 0730 0760 0860 1300
 1200 0760 0780 0880 1350
 1400 0770 0790 0900 1340
 1600 0760 0790 0890 1250
 1800 0710 0730 0830 1150
 2000 0780 0800 0890 1200
 2200 0730 0760 0840 1130
 0000 0550 0670 0740 0820
 0200 0550 0560 0620 0980
 0400 0480 0490 0550 0740
 0600 0550 0580 0660 0910
 0800 0660 0690 0790 1140
 = ABV

VVV VVV PROMRCh = 30 07 =
 1000 0730 0760 0860 1300
 1200 0760 0780 0880 1350
 1400 0770 0790 0900 1340
 1600 0760 0790 0890 1250
 1800 0710 0730 0830 1150
 2000 0780 0800 0890 1200
 2200 0730 0760 0840 1130
 0000 0550 0670 0740 0820
 0200 0550 0560 0620 0980
 0400 0480 0490 0550 0740
 0600 0550 0580 0660 0910
 0800 0660 0690 0790 1140
 = AR

4735 kHz, 27-07, 0700 UTC

VVV VVV PROMRCh = 27 07 =
 1000 0670 0700 0810 1310
 1200 0690 0720 0830 1350
 1400 0710 0740 0840 1340
 1600 0710 0740 0840 1250
 1800 0670 0700 0800 1110
 2000 0740 0770 0860 1160
 2200 0700 0720 0810 1100
 0000 0630 0650 0720 0950
 0200 0510 0520 0580 0770
 0400 0460 0470 0530 0700
 0600 0530 0560 0640 0890
 0800 0630 0660 0770 1140
 = ABV

VVV VVV PROMRCh = 27 07 =
 1000 0670 0700 0810 1310
 1200 0690 0720 0830 1350
 1400 0710 0740 0840 1340
 1600 0710 0740 0840 1250
 1800 0670 0700 0800 1110
 2000 0740 0770 0860 1160
 2200 0700 0720 0810 1100
 0000 0630 0650 0720 0950
 0200 0510 0520 0580 0770
 0400 0460 0470 0530 0700
 0600 0530 0560 0640 0890
 0800 0630 0660 0770 1140
 = AR

4735 kHz, 28-07, 0700 UTC

VVV VVV PROMRCh = 28 07 =
 1000 0710 0740 0850 1300
 1200 0740 0770 0870 1350
 1400 0750 0780 0880 1340
 1600 0740 0770 0870 1250
 1800 0700 0720 0830 1140
 2000 0770 0790 0890 1190
 2200 0720 0750 0840 1120
 0000 0640 0660 0730 0970
 0200 0530 0550 0710 0800
 0400 0470 0490 0540 0720
 0600 0570 0570 0650 0910
 0800 0650 0680 0780 1140
 = ABV

VVV VVV PROMRCh = 28 07 =
 1000 0710 0740 0850 1300
 1200 0740 0770 0870 1350
 1400 0750 0780 0880 1340
 1600 0740 0770 0870 1250
 1800 0700 0720 0830 1140
 2000 0770 0790 0890 1190
 2200 0720 0750 0840 1120
 0000 0640 0660 0730 0970
 0200 0530 0550 0710 0800
 0400 0470 0490 0540 0720
 0600 0570 0570 0650 0910
 0800 0650 0680 0780 1140
 = AR

4735 kHz, 31-07, 0700 UTC

Not monitored

UM10 - 10-minutes net

UM10 usually transmits every hour. Each transmission lasts 10 minutes. All logged by JPL

3525/4310 kHz, 03-07 UTC, QK4S (1525 – 1535)

3542 kHz, 09-07 UTC	HDNA (1520 – 1530)
3542 kHz, 16-07 UTC	HDNA (1750 – 1800)
3542 kHz, 21-07 UTC	HDNA (1650 – 1700)
3542/4116 kHz, 22-07 UTC	HDNA (1720 – 1730)
3542/4116 kHz, 20-07 UTC	HDNA (1550 – 1600)

3257 kHz, 21-07 UTC	SDXL (1620 – 1630)
3257 kHz, 23-07 UTC	SDXL (1520 – 1530)
3257/3629 kHz, 23-07 UTC	SDXL (1550 – 1600)
3257/3629 kHz, 30-07 UTC	SDXL (1550 – 1600)

5918/6780 kHz, 14-07 UTC	QUXF (2250 – 2300)
5918/6780 kHz, 19-07 UTC	QUXF (0920 – 0930)

6888 kHz, 22-07 UTC OB.2 (1115 – 1125)
Not sure on this one. Got the tail end. I checked several times, but no luck.



DIGITAL MODES

F01

F01 – FSK 200/500 Mon-Fri schedule

11141/9192/7363 kHz, 02-07, 1015/1025/1035 UTC

78563 36755 41683 78216 55413 14467 02158 63102 07152 83432
67015 30793 78929 90475 50718 30331 74621 23310 84085 17963
49326 91470 09837 59736 06126 80381 77380 86908 61815 07604
28940 23932 79431 40540 75529 74386 32681 91498 83743 68001
90724 67785 76668 95867 75059 58521 95893 20786 48987 01683
13593 90126 56845 31428 37939 06641 96848 60797 17396 54021
24506 68924 35234 11531 60030 79057 88990 98420 98197 78069
00000

47884 85823 14207 25252 30229 49514 71087 95428 78250 16622
48162 21211 72783 35265 60618 26461 04771 23222 12943 86613
20378 41554 60805 06851 25688 86297 63274 51921 09488 71663
92551 63570 59194 03175 93414 26503 77401 64183 09553 68811
27795 64205 18987 07824 08119 22507 45759 77291 29883 85383
40074 96869 09496 00569 44090 69810 00506 97207 85544 19827
21648 44838 66389 03049 60381 89805 38644 56013 56594 92564
87638 65630 96179 14294 43833 72058 69159 26265 53419 40424
72042 40401 94867 62331 59118 84468 63623 73093 72355 70332
04138 95621 04600 28711 77412 46911 75772 08886 53254 68067
26730 66772 44429 79100 00000 +++++

11141/9192/7363 kHz, 03-07, 1015/1025/1035 UTC

00000 +++++ +++++

11141/9192/7363 kHz, 06-07, 1015/1025/1035 UTC

32054 62130 88361 61474 75433 05186 68713 59997 08793 60388
10090 10396 61867 48651 53262 72560 89259 93749 45888 03699
46609 96897 84154 10305 69196 23536 15457 05308 76429 19513
88050 00084 50648 98844 58616 86014 63699 70249 93666 85287
49584 94634 25743 75623 47035 90730 50332 18612 59760 31059
74444 46353 08490 95413 52790 86085 72841 74055 72490 27486
46594 37799 72257 62341 54766 17180 06993 51262 05953 57892
93725 97139 78360 44690 99837 30030 62960 10917 59515 33144
12214 75886 29358 64647 67799 77270 19083 54941 65785 90696
58271 84125 42677 53741 85076 69318 90781 36507 67854 16531
96324 25965 95634 16782 38764 16255 98376 91132 34730 22136
82948 14338 75025 57760 95773 71799 28140 47973 48061 29506
48699 64314 64584 21649 34295 02923 41925 85601 19132 46513
27127 98948 77925 77626 52703 98255 38496 35343 88925 84260
26491 32629 99331 43186 90663 76522 10398 38842 82174 58339
31313 55225 86316 06080 84777 94292 30126 16240 34782 58592
14316 07194 22296 73453 42950 61353 44802 28412 49322 48281
40614 42557 414#3 45948 63924 83496 15660 02326 61500 94621
11630 04499 86991 10361 07434 47474 13760 64104 77913 19901
32191 18501 64896 48861 42414 72797 32658 70931 78363 26918
07071 21705 24133 06975 21890 60956 08552 81886 20607 75637
88912 25795 87294 27895 59809 05982 04910 40291 48003 00946
64459 35427 79257 78354 73498 72136 28093 87543 37367 45460
86382 46251 11630 42567 11735 26283 49137 71833 41598 67787
90160 07236 84027 76833 69019 15283 21045 85974 35666 56639
85542 82489 15633 79651 97647 33990 56808 47955 71508 66069
36461 69350 28419 71701 26954 18131 77236 57059 43593 68067
48014 53443 23039 78212 89802 50018 05718 98730 68537 27034
20686 88936 25975 94222 96360 64720 85592 64056 45575 17566
16398 14563 98382 72326 90592 21373 81057 75970 96014 63697
64717 34461 89310 33910 32022 39970 00756 05446 35366 55619
26687 38671 45017 49916 70460 29441 10637 98092 17884 30016
84611 92525 58061 97025 80641 29425 85585 46181 66018 63975
45012 18401 11034 51128 03561 87056 43955 14227 62970 61023
85002 08641 46460 63207 57767 72621 21721 89258 01515 82538
45876 76144 32792 54710 43362 35273 29806 60995 52645 29853
37976 50345 02732 01187 20127 93497 05401 73564 99742 93009
74089 92470 70728 25801 05383 75775 72108 10409 84040 82596
51110 16142 97488 29529 63053 56303 70725 08930 81509 32700
57578 88930 17134 23594 49239 99884 68644 32309 86029 36926
54352 38662 83318 33322 97706 20417 07545 84324 65274 36950
63268 26191 80602 92297 77199 00070 62395 19802 90139 55435
60445 55511 92755 80423 00000 +++++

11141/9192/7363 kHz, 07-07, 1015/1025/1035 UTC

46168 03098 71778 29395 83893 90155 23716 94895 53262 10276
10528 59118 20794 58044 90073 11040 04782 66998 15366 17366
21945 11625 88306 09934 18157 29763 15459 83357 50448 01365
45570 01371 12463 44526 93515 35296 20561 14753 80355 83086
02752 18381 44193 42358 57651 76098 01520 35881 75638 97493
63738 12934 39414 52589 38551 74984 46138 51275 70892 99120
18333 66594 03104 57673 95751 62815 59034 57466 25386 14220
81758 47138 91802 25562 79582 65959 55009 90112 60056 32602
88018 46250 56642 81083 00000

55522 48894 32490 49580 32869 74853 19237 72280 12186 05499
67671 14987 50966 38431 91448 49283 98607 53036 24486 04685
77362 08989 82229 18749 51669 86655 32403 34564 34295 11575
86163 00272 02740 30203 45603 50336 24327 29130 68540 73241
13421 14926 36533 95295 69219 96824 37044 35243 67537 39435
95715 09355 05045 77641 19673 91705 19377 10918 37799 59308
33558 19212 48924 76798 98186 67599 13862 00361 29707 91904

52225 05581 68912 82450 29973 68902 06009 08159 48609 57400
49191 48150 71988 06526 31657 23071 51647 90541 82594 43298
36613 82091 00000 +++++ +++++ +++++

11141/9192/7363 kHz, 08-07, 1015/1025/1035 UTC

06404 69644 91909 _____ 81509
85075 47703 87691 61166 17623 77364 48650 19357 26244 62236
48940 35901 61679 89204 63878 66850 76517 57902 50105 62762
35344 25212 36838 68723 33580 93225 34409 10790 48458 57844
46030 98545 70557 60212 93710 98464 89340 08175 94280 57751
31141 59932 46441 83365 73020 87101 14794 05909 80949 59352
21777 83060 45737 17811 83453 22248 15153 29427 50075 27256
45679 39483 37381 98429 22330 64432 59547 41199 19975 92259
99739 62572 04596 82549 79195 60322 97938 83448 10788 34524
53962 07707 47987 76145 20559 34991 65184 12384 84955 32659
30286 13419 26245 12168 55544 90280 23488 63327 37534 38526
92813 33561 22241 07392 51969 44383 56177 99132 35737 62266
09466 28219 10679 66087 81848 95082 62628 78352 27526 54108
55379 52371 59795 80544 83992 32576 21404 66029 71185 30177
31563 97417 80209 81334 45562 98594 42681 80040 87918 39970
24783 02887 44995 45332 80286 67929 28035 50748 63828 94806
42536 95212 _____ 47714 51819 52696 32411 00420
76641 08573 97092 82654 43575 30149 80042 75376 10216 44440
86518 30820 42505 79958 28107 27013 06036 16980 42786 11831
05104 76576 08837 16299 67959 _____
_____ 51008 65136 12419 41140 16834 33386 19885 62583 09747
52119 12815 65636 27482 05397 63437 46092 97224 45238 87299
33901 04833 56460 61200 51609 30784 55210 09588 15085 97564
44615 76598 62470 58162 76013 25930 22288 80361 89181 35733
56649 06527 30001 80707 40493 93564 69010 18597 62806 62742
69267 23261 60743 14067 76970 31526 22600 84894 33266 95979
20571 57466 30692 60921 _____
39563 08202 52267 03353 69532 63977 _____
_____ 63561 39549 34238 81660 14764 15716 00117 57671
34831 50793 22560 71854 49066 06041 56562 17707 92601 70380
88024 06159 02193 13106 66025 70619 60447 98791 46129 27502
15935 81598 30655 20855 27620 21161 16873 07553 07037 87242
89030 60968 56669 45355 15181 98871 27946 40509 34719 64897
47311 21314 47587 _____ 41634
15164 61640 05667 96546 92311 41062 75003 23407 _____
_____ 59609 71301 94123 04472 34605 88191
50526 58253 22401 21903 94202 59558 80167 50060 47137 62627
75674 69298 56452 97768 08963 97382 73741 11800 33338 71909
17326 23050 49113 12771 53344 70594 68540 40584 56641 62422
75379 68265 37371 52206 27528 07928 44263 99385 76151 60307
80481 92224 99766 78890 93028 85<BE LL>69 J5941 21614 83409
00000 +++++ +++++ +++++

11141/9192/7363 kHz, 09-07, 1015/1025/1035 UTC

87120 21705 30431 57808 61993 87192 98556 27180 79014 55443
17156 14991 32687 99529 29393 01112 17550 43100 83266 49333
46581 96135 29158 88882 27510 80269 65138 34702 32978 23329
28467 38692 25481 27813 56720 89090 23042 42984 66978 00189
16533 95253 26530 59570 74603 56560 13503 25050 97144 55426
90890 88510 03215 60370 42378 48823 64390 90377 43431 61035
19452 32104 66078 54011 31365 84065 00000

58286 91426 64160 55296 34877 10013 85561 56127 65460 81703
70984 83621 32490 02819 97323 73706 47802 68557 95614 31823
64942 53352 46605 79549 56036 13999 90095 70074 32900 13959
40248 33454 17085 92300 24028 37595 88521 25709 84980 75890
67475 56988 19534 17461 09486 88518 37998 80926 17983 64084
67468 17654 04264 87516 38803 15412 49528 51599 24879 58371

48641 75656 22291 04403 40331 75275 93715 65577 53494 12590
13084 02848 24305 00577 80793 70808 63810 59781 01117 73510
80704 50934 39004 17229 88963 31874 98474 71155 55030 12233
89772 71933 64238 0:308 77480 32974 11167 85097 00000 +++++
+++++

11141/9192/7363 kHz, 10-07, 1015/1025/1035 UTC

00000 +++++ +++++

11141/9192/7363 kHz, 13-07, 1015/1025/1035 UTC

10175 14672 39394 76470 65516 35830 71652 91077 10114 41527
38175 36438 13445 04795 07421 46323 76767 68923 55777 77360
31633 08735 17682 78363 80284 01328 83094 96474 20132 17234
97031 93569 19511 67921 40833 71345 36882 70583 99859 28543
00693 16151 47292 98733 92052 51464 98750 42107 97443 11540
17382 89710 23626 62877 74134 63551 91949 43735 92896 21031
54234 12320 35179 97122 97434 38817 04043 42745 29246 02218
71944 82764 61870 77852 62207 42066 36101 26604 38779 13117
52936 21700 83986 63490 04896 74050 68966 06750 24231 42062
46453 85163 90220 68846 20627 37661 62733 58793 73686 51495
34246 26423 53863 21016 17512 83455 54538 62029 11056 95044
39162 55140 09690 69116 91663 16559 52237 63728 97038 19763
23652 66412 81790 16496 53714 56425 68937 30507 79505 85845
27243 22487 63831 40455 19382 49632 86794 66345 78716 68278
52696 73181 69370 53029 79458 50068 09298 30837 62758 54943
61024 53457 32044 63453 19745 56716 40649 88232 53489 80041
57163 04531 75003 44672 50266 43128 50081 14012 84208 36471
71984 84531 67112 28970 56686 80695 19311 87392 38586 52309
53876 72293 71409 97761 86553 56417 63967 61574 17273 01007
05469 79709 50430 25971 60071 71067 46128 34821 35352 98613
19555 80344 54400 48571 30709 81929 86205 01117 31627 30493
14037 91021 63325 41939 46492 81667 19641 45094 00919 00881
20147 15048 73880 12018 59343 87848 58361 18750 24300 17475
72399 26963 97948 61039 28831 12239 90202 03143 00837 66330
64099 55334 02973 21083 49148 91602 12383 73230 59074 05840
99874 58510 56142 02218 25535 48538 29251 54408 78600 68858
77987 94592 66240 61643 19818 18191 80959 41441 62622 15252
01298 17439 09734 64441 05527 80665 89703 50567 03007 79565
27939 91572 12923 32401 02445 85942 45061 49900 50816 16460
62331 66597 20702 71241 29705 04303 80902 67998 79277 16145
35307 92463 46124 84604 068:9 86904 54646 72001 83658 49680
60097 46853 44631 31771 74962 34552 06552 41210 34897 65801
60012 91373 83905 21231 86268 54048 83434 95653 72253 03224
75091 30383 65913 60548 51658 87054 39073 78375 16092 61389
49997 21353 33205 60334 22858 32478 03707 91025 86273 94569
15295 34997 38126 23081 50489 06087 28827 51204 55884 15467
80236 93189 02522 92247 82406 96836 92059 33077 35350 21069
88433 79185 28013 99555 79688 44313 71641 76299 99679 41945
29733 24135 64318 85307 11756 82079 02061 58554 22827 72462
83321 82578 86528 83783 78497 23894 83065 30223 99298 20022
69936 23762 03057 19814 77312 19825 64723 62157 95314 22402
46219 41499 95363 59581 17843 33616 52815 65426 11410 80088
63032 29141 09825 54887 68119 97452 02764 61541 36481 86429
00000 +++++

11141/9192/7363 kHz, 14-07, 1015/1025/1035 UTC

18108 67689 20469 07876 83166 79539 29195 82369 27451 47450
38198 59677 00738 74085 04711 20560 54850 33681 50486 01592
86700 55983 25197 30897 10716 57143 04696 38203 02849 28533
78826 12647 83366 19404 08474 06770 30585 74334 56538 10150
42749 11394 22525 41089 90257 51973 35434 29813 25390 38209
84635 91611 41750 98945 93426 13352 00609 50167 64945 01816
66313 87061 00000

00000

25561 52234 56959 70993 86289 78851 99334 01488 92684 84653
18477 52841 52567 24156 38994 83225 07453 33226 56694 29081
01533 17769 00789 09876 74206 60095 84469 74748 62068 72652
92306 33245 21318 53801 77899 37319 06517 25335 70215 06785
66619 56427 12062 15424 44242 03685 79125 79919 89080 22006
53007 18807 21430 25932 46712 73640 06740 06161 06002 09540
27141 30942 35080 37337 60884 87005 20018 24478 05622 39741
48380 86887 06479 17296 48477 78976 74850 48288 96680 23987
08847 07824 66245 51846 51350 51497 16077 36740 46597 42070
42868 51570 81239 98513 45065 81497 20809 22100 72071 63758
77536 79234 57159 45934 70453 88105 00000 +++++ +++++ +++++

11141/9192/7363 kHz, 15-07, 1015/1025/1035 UTC

95229 71220 70039 51842 91317 25581 29325 75025 87799 44710
77984 30569 62579 83133 88724 57368 61973 06592 36025 31705
61790 41180 60585 83226 16010 60472 23716 60640 53987 15329
75101 64303 12141 36061 82385 87884 11046 61649 96013 36309
13873 75698 47754 12150 27117 53819 06361 87669 29544 52125
38797 04690 40302 91523 50463 69485 62126 17507 02868 34882
60582 40103 32172 86747 65281 83707 17060 77068 04001 01451
69355 70795 05665 33813 45829 98639 33092 16163 04645 33027
31483 64905 54857 29369 03558 96937 72426 99862 47295 62086
81168 11999 17203 93222 22082 28954 95067 03746 59498 34079
81108 87110 97480 06645 41482 98093 04914 41051 73069 20493
72725 26682 71487 50927 51674 30585 13265 53454 44139 50178
88104 64656 48352 28161 42194 53923 78510 46820 18481 68577
09202 43914 04857 18569 17586 17333 26197 80394 21772 10711
41178 24951 38812 97185 29820 98996 10778 03491 82691 14918
72326 41560 27707 28478 58216 39851 55467 09253 74199 91553
29063 33414 79730 61882 89295 53577 55928 21645 91241 25380
57231 99254 33109 95492 70179 68403 63303 80731 27763 13553
76669 92985 52777 40452 35818 89622 28618 23863 78494 54073
20952 09675 96919 36280 98709 13608 00037 07699 27826 83680
94611 10529 36182 18636 46115 05885 73160 59512 05324 50564
12284 96550 11593 57130 70343 58609 08713 16974 41480 77303
34309 91056 69636 43018 68716 98013 07826 95025 54256 54310
37663 12852 20866 46131 47576 01116 79012 37706 93154 85001
65831 45737 88058 58574 55418 34632 98937 53100 69230 12229
42787 17592 47509 30690 10181 28730 67685 22265 62830 72382
20693 24601 78884 63882 81124 75290 44431 99270 32180 80350
14622 54674 31335 86306 92869 76028 27666 10587 01537 26305
66774 09896 42583 82460 44254 91270 71577 99267 93618 95495
33533 82237 19646 07572 33996 36809 13070 73922 43822 85988
07559 31021 61086 73645 64910 75142 78558 95629 99414 27903
30179 25916 77308 77298 14979 29953 52267 98909 21880 82402
22871 86981 03810 31466 22978 50038 74568 76981 80948 50754
26890 54471 08651 94734 95131 42340 06193 97924 11032 34406
93311 87300 25965 44939 03359 14570 98144 38428 00832 87531
68205 01219 08359 48808 71597 97250 54114 56625 61233 75059
75568 47326 38837 18230 40524 84322 18407 56501 71382 23147
70257 79698 83560 47311 19058 21693 74015 54656 94314 06554
20795 98870 56733 74111 79563 15878 48894 27091 88043 89771
43687 67019 14300 37992 88929 11093 09805 20426 71622 07179
53238 02116 50267 89162 95932 24281 28686 39806 44930 63318
69786 53312 44566 82475 72704 14789 42526 05901 61764 38795
51316 69729 60685 34147 41076 29918 50494 87195 24686 31498
34551 89431 00000 +++++ +++++

11141/9192/7363 kHz, 16-07, 1015/1025/1035 UTC

06326 64321 80224 59132 24379 97928 96134 33808 52184 03140
23327 26537 55058 90498 09328 23960 86189 00916 08564 22591

25104 91765 81617 68880 96704 25826 08655 70072 44315 30226
52939 55550 55154 17612 35390 93356 61707 86699 06106 91584
67393 44414 23806 39307 70004 16793 79110 66759 81322 40857
22617 29430 66377 54610 83685 45783 50759 27389 90896 43268
69442 97713 30101 92321 55549 10864 01005 33050 92494 73334
58226 24268 77940 66381 47768 69592 73010 85834 74829 00271
35194 00368 63910 19443 58380 45415 97134 37504 68455 94916
41733 53283 47907 90093 00000

88338 62134 55778 82989 17360 22479 48052 68898 28467 80273
20489 09225 25021 58647 95340 23316 19156 70291 71207 54832
57479 64727 53085 90742 59764 40501 07121 03842 75314 45766
57259 04749 86692 15679 65975 14313 15502 20048 66276 92366
09906 19678 37157 83764 18567 54838 39704 67645 80709 14299
56029 20854 86975 58373 98224 31459 90772 94401 79521 23308
74791 28108 64847 77555 02397 39281 42961 62100 08564 55202
87364 04868 10048 20274 98161 71884 39487 85265 42069 36065
33119 64635 32757 91083 00000 +++++

11141/9192/7363 kHz, 17-07, 1015/1025/1035 UTC

00000 +++++ +++++

11141/9192/7363 kHz, 20-07, 1015/1025/1035 UTC

77811 84973 79320 57332 71778 55916 10971 57209 63962 04172
05628 80894 51863 78446 87855 31357 26078 85505 35394 91895
51127 63061 87376 85998 58491 13712 57737 63079 69041 85835
83458 58531 87054 12404 62393 01527 32991 43648 60309 69024
07236 34495 91864 09389 01982 72742 05198 84087 03446 58882
24815 00886 51603 73528 83685 45783 50759 27389 90896 43268
69442 97713 30101 92321 55549 10864 01005 33050 92494 73334
58226 24268 77940 66381 47768 32215 48078 68508 37796 52658
57765 05786 25714 86505 31417 61633 70540 76784 04450 89578
97126 08754 83215 96650 91951 46523 21826 96247 11247 92416
12744 29865 33359 67538 83337 18599 60036 36960 15579 30380
96334 09225 25021 58647 95340 23316 19156 70291 71207 54832
57479 64727 53085 90742 59764 40501 07121 03842 75314 45766
57259 04749 86692 15679 65975 14313 15502 20048 66276 92366
09906 19678 37157 83764 18567 54838 39704 67645 80709 14299
56029 20854 86975 58373 98224 31459 90772 94401 79521 23308
74791 28108 64847 77555 02397 39281 42961 62100 08564 55202
87364 04868 10048 20274 98161 71884 39487 85265 42069 36065
53489 99858 58018 81065 86113 28093 85201 49311 00202 18990
22729 55952 47469 20849 35692 19487 60612 73193 76968 55558
49075 54383 68984 04491 30469 07428 76580 14387 39819 54980
25683 53233 83825 39411 47463 48443 32343 48930 52671 77280
64245 15676 65835 56599 09876 96710 74010 05340 57266 73874
69764 78212 14317 33413 93090 94009 44112 11335 01936 06991
15571 15425 26026 08679 75745 12356 83682 61112 62162 73357
66308 77199 93608 66790 20251 09591 13008 71227 80698 08527
18029 82302 37330 54892 50567 71885 36380 89311 35982 52965
48823 71806 75146 08698 59356 45467 56531 21547 55871 02558
80489 63470 24099 76498 12937 33066 77124 08176 10616 50636
74444 59991 85122 47098 10269 76114 97903 07679 75745 12356
03384 56332 24799 84114 82431 91816 98268 05820 33348 11372
86038 20325 12557 82928 31841 41669 42190 51792 10419 59667
26757 92736 31749 79741 46086 43444 51996 96454 16714 80233
95891 24167 38931 22008 20231 33258 71648 73364 73170 65360
02295 42800 29008 26023 03910 96955 03145 78266 96637 36827
76909 85439 55806 06893 86928 76847 33767 73086 58740 34554
87697 30553 89335 24828 30550 27130 08302 22643 47326 13485
72282 02689 43876 55859 72412 95324 20403 72334 59435 30905
86863 78585 16183 20929 62447 54029 32107 49440 26327 64333
59542 73115 11869 01204 56406 53489 61482 25396 45004 69737

84305 23885 41637 85469 83909 17137 36699 67962 48208 77413
29947 83265 18765 44049 50640 15636 81678 46634 17224 84715
47241 72055 16254 58903 10553 36314 05246 88359 10279 47067
69144 06073 27740 67832 85080 70429 93525 19786 75126 47732
93805 82102 51729 58089 93548 92445 00000 +++++ +++++ +++++

11141/9192/7363 kHz, 21-07, 1015/1025/1035 UTC

99872 72270 87342 38001 42220 15144 49869 53834 49401 51188
31072 66217 50492 89136 66387 86199 45047 23321 85265 24964
83686 55346 13284 73167 08539 15080 70848 63193 08247 54395
35666 50243 67199 12110 61166 73224 13696 73545 68077 81352
96723 73160 51325 37420 46032 13685 69457 33655 95201 00197
08775 81120 72378 12575 39352 58588 88387 64772 05147 31817
76879 24340 15375 79182 66229 90643 29340 84588 87851 55209
51916 83607 50637 92636 81854 93075 00000

30047 28404 16526 87585 63907 19501 36765 91354 89662 53030
79250 33340 24231 33381 39922 38235 91066 52696 28894 78560
37510 46390 91761 99947 54975 62816 01712 00431 691#2 83035
02117 62177 92417 51624 04306 59100 55642 04449 70204 88785
61574 04353 34517 02174 27001 20694 46153 29432 05859 13662
33576 25456 10496 09323 23771 83440 73258 76320 69503 89945
15605 40178 64575 19916 16918 96133 51755 95070 00221 06448
53063 54112 76971 93122 77122 08190 18122 61970 83232 80050
43639 18958 06881 50327 47673 64790 76360 59383 01551 78634
75188 38168 01794 26961 30021 94095 00000 +++++ +++++ +++++

11141/9192/7363 kHz, 22-07, 1015/1025/1035 UTC

64024 74080 80010 61292 17655 33357 26839 21762 22255 20643
49843 95347 11419 14732 72076 17697 40312 51091 44089 82650
58587 55202 54397 13334 59571 57252 46688 66929 97912 49112
48454 96591 92870 69532 40733 18917 59436 28508 23659 60425
34476 06726 57492 81475 90076 91067 83829 01068 51292 32064
56680 70957 60464 34279 38086 72521 55322 15524 37985 34824
53028 95870 03001 97299 57379 02381 83840 65514 31330 00493
35998 33421 02047 88013 33447 70562 90653 12642 00003 97649
83889 98960 88050 98961 89835 95847 59333 44990 44917 80224
47460 23785 64358 78097 06858 04425 53289 88821 77824 81051
20679 23518 22389 70911 63284 93594 10656 64840 11819 10303
62330 53621 56501 81261 73101 78664 94199 14897 80578 80434
64330 68723 49467 43079 65728 02421 80668 58678 71655 21617
73993 59559 85134 23353 99175 92123 01820 79121 54877 30607
72553 16460 20362 54224 82836 85008 29543 36126 91364 17976
22072 17611 94848 24956 51170 66033 11278 77030 52886 39832
98839 70091 06465 09131 52665 77329 40517 05346 46595 26807
64682 98220 12154 65085 31458 23763 71915 92807 57901 11472
69455 83198 61878 84340 63071 19416 92548 30037 75455 11680
59778 66721 16521 80130 92169 51923 21549 14341 78383 07928
71867 45430 71456 62103 90225 91714 60791 25603 28071 63824
41514 58889 86905 40239 35874 97504 40909 49161 46392 36544
53026 17687 45425 97244 01689 74183 30853 24153 60377 14845
02557 86284 97203 70329 39395 80738 86688 33443 81348 62175
50951 33790 46530 46627 72463 70335 37748 63048 45588 37814
18304 51068 59064 07928 61718 28363 26644 51261 05069 76101
08054 10860 60632 15893 87483 63406 65509 76671 01775 28932
73928 74970 35512 14997 21914 56997 25188 06289 19003 75979
39643 35556 46700 03189 28959 96844 68361 96098 59003 86936
80187 72112 73795 85966 58018 61289 52900 13126 79619 36513
56028 18403 27140 44542 72026 96300 99437 86375 14453 32461
88950 20368 30923 19134 02808 86543 18411 00441 32873 75536
61693 33347 04389 90591 37130 75310 57934 76076 48960 34514
44360 10934 90306 43640 37408 90508 46076 43118 93690 45197
79942 84777 14718 69344 72591 91855 90668 58838 03433 36281

30582 80825 92953 19191 08668 24007 47899 65597 81413 02917
76479 69160 55178 14667 65778 47991 08969 71548 38559 97428
02073 57963 31655 50726 21245 85105 63120 83590 47134 41835
80350 23495 44630 65176 06336 49729 06831 78888 26257 95095
07301 73537 81589 85217 40333 26510 63925 76365 53869 85402
25683 77775 04795 95403 00000 +++++ +++++ +++++

11141/9192/7363 kHz, 23-07, 1015/1025/1035 UTC

74462 54470 30187 89417 25171 08717 09131 43703 99414 18888
79272 13411 55729 03328 35633 65123 59439 25642 56164 63281
81156 55962 51864 39510 37187 41701 64255 98764 14004 98701
64917 35734 44004 58745 36753 59927 24712 34339 41683 52897
98635 86724 04455 06028 35949 08055 67247 12324 87194 53658
94770 10641 98198 85348 34537 05802 04370 11696 61997 13019
46592 36219 65223 00078 75882 49417 48838 25711 38999 25592
61864 97597 62206 10389 79184 98432 75358 10001 91308 53499
43518 17968 82127 38180 98266 40516 99339 48853 85918 06360
47243 85597 74815 71926 56579 97095 00000

66074 01031 82472 58176 80050 35721 18167 38755 48071 74401
69197 05793 61342 24447 04164 35860 45570 03614 33009 59507
32678 42396 37580 07814 62317 35318 46814 82085 99097 70830
04996 88882 76475 94516 06520 07566 03246 85280 95585 82552
93560 49212 54282 57465 06427 60818 27482 93363 05615 06302
57994 38245 75907 08581 30401 40001 56642 38731 47031 20021
78472 43546 84499 49625 14285 43891 04241 96521 80227 83553
15500 33461 47754 33264 14186 26301 52657 14186 26301 52657
12007 53323 67634 55200 84928 77257 03359 11253 38181 37684
22307 20059 02444 96093 00000 +++++ +++++ +++++

11141/9192/7363 kHz, 24-07, 1015/1025/1035 UTC

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11141/9192/7363 kHz, 27-07, 1015/1025/1035 UTC

35857 74653 17183 54902 05599 78304 06541 39139 23708 01819
30640 00786 80147 37463 38101 94328 79362 42497 65382 27928
66421 38624 77824 87334 40365 47491 90851 60688 71949 48145
01051 12634 67970 67414 81792 81192 49359 39127 23094 95815
35232 93120 20404 40080 50088 59971 42011 07442 96337 02385
29736 23494 59346 09182 12630 33171 37194 12828 38335 76325
12323 16422 51818 00124 07267 41105 76147 81700 91651 29817
75012 59496 32658 68328 01667 96729 06119 09511 63986 25432
10454 11750 60328 44493 50625 27470 65875 70137 84299 02689
74161 62289 47398 73539 23453 75248 01242 70713 62688 06122
68450 67742 36650 39447 49812 34070 95069 11444 39291 78842
55333 42331 79365 96362 73504 10151 23890 49142 03322 64529
00663 49483 47879 03823 90884 25541 33667 64070 67706 82788
61665 93212 61041 96838 15173 08995 40833 98535 29067 63996
35971 37290 50170 66231 31039 33555 43422 28756 08083 56411
23539 46706 25577 87183 16849 25228 51801 55031 82984 06714
94783 55445 51142 70794 96024 87599 50557 05531 80169 71479
39926 73222 77834 30740 65428 19290 63754 52219 02053 97659
77458 58054 57913 11090 18652 51324 46243 89873 34483 21177
54744 57365 40908 18358 66995 55748 45310 37084 15595 30507
62586 64216 71727 97019 41871 81640 00852 37723 46100 32813
39177 03275 51586 89410 70640 16162 59804 79002 09049 00189
38576 59710 15096 84275 34827 52763 02916 54019 26124 68913
15888 49438 03159 89626 76362 32349 00385 89003 38996 71813
16983 07356 02392 21078 95344 12382 58729 84471 49268 08879
86064 97663 59038 82921 13001 69756 75601 91462 10402 60614
01002 33269 89852 91902 37274 62149 13536 15234 20988 28402
45230 85902 85616 59428 97104 15608 18929 15434 52001 02626
07587 81173 65900 62853 86140 79666 80234 10181 32603 18819

98770 59604 77792 06898 61001 78507 52075 87175 13539 02635
66610 51973 67735 58397 31532 24175 86534 40466 77841 13492
13093 21297 75616 37673 44979 15375 05467 15363 31384 15988
45517 70757 35146 24121 09658 93107 76521 86052 29252 14110
63378 63071 95489 88414 37505 81766 04569 88302 91715 38315
72903 48446 37448 55218 14529 21725 27538 13907 97913 31991
63850 11676 24342 34766 44468 16359 95072 21769 30119 17207
59453 30243 34520 95382 61179 42989 68345 62539 24883 90078
91492 40881 50242 88148 53328 83186 05804 78236 25625 56191
39688 48092 57844 35807 49386 49894 09489 87576 77822 49315
39174 30829 27876 66877 55142 09967 12544 97518 56875 21310
82938 19337 22523 68954 01303 27413 21805 48060 51236 53681
59099 79032 02312 98413 00000 +++++ +++++

11141/9192/7363 kHz, 28-07, 1015/1025/1035 UTC

54288 78139 97700 05151 56279 34564 30427 13116 74312 98486
32411 02751 60427 15535 33909 10962 02253 14356 05671 04071
69265 06659 02904 16384 99377 88919 17533 30264 93050 81682
18459 96142 07112 67391 84483 15917 65461 12702 59602 38150
28873 86198 85346 38543 91052 07462 89863 84081 93160 88416
38427 04323 73974 52912 75051 18245 97886 45448 09916 90098
27925 65014 32272 12702 35967 84950 53530 41614 67367 44793
10206 99071 000000

03667 21529 45165 35310 72427 47911 89502 16691 65603 84115
16966 60318 85891 49356 27303 58359 36297 44473 28895 47608
52720 83619 40425 39072 45630 71353 21097 82800 17997 61081
05585 66424 51691 55781 51923 70805 79522 36954 29897 31268
85108 32732 05336 77820 97772 61085 99901 52830 74636 09064
31047 29569 87114 34013 61838 80081 53991 97694 15329 65797
88261 69266 33170 49350 49937 58032 83150 51011 21987 61927
45350 98194 51622 42655 31587 41470 24086 63429 17857 35513
61165 50242 94457 08432 61585 62615 63457 67917 25491 84751
38232 17642 30203 73040 24733 82348 49416 20849 89177 65075
33061 26529 41858 84940 89983 75592 91752 68932 40648 72977
51617 01111 00000 +++++ +++++

11141/9192/7363 kHz, 29-07, 1015/1025/1035 UTC

34125 79192 68687 95557 44980 82907 28875 76734 12893 36823
91221 57293 84721 65646 06288 00167 00785 74260 89973 17260
57596 05170 29474 92956 94136 13610 77605 49517 87602 90028
83952 96559 69561 84619 36270 31813 98452 13586 10570 85322
49382 51837 53348 24303 07127 41795 44367 60821 73312 73004
13447 29504 23677 12224 09698 27445 76382 88704 46635 33511
57283 64323 71598 49232 73121 43265 32940 28454 28556 00955
43398 87955 47987 36901 63090 16209 88094 81163 50593 22464
52043 09117 55504 93362 41286 44200 50961 49257 05894 53352
29534 17420 79367 64795 10929 64335 08857 62883 34957 54265
16724 39682 38186 26272 54398 07971 37722 06876 34447 05371
70559 00559 51811 44256 61935 25278 30137 87171 21123 85188
54143 52411 88106 97763 73960 79468 79569 17492 92379 09037
07640 23348 70952 57243 69825 62220 15870 88812 33577 65480
29571 18846 63921 80885 39008 97892 67590 87005 36506 60021
52103 82345 94165 38555 23219 66376 37729 79181 69206 54637
90865 05103 05371 95112 25798 13930 77268 78064 81121 61100
74605 56512 33416 08834 04397 19536 31592 47309 96382 85613
33234 14446 39887 08148 00557 72271 74801 10404 43903 17584
85590 92018 23052 32269 71594 74283 42382 02846 63529 76381
00818 13944 09616 39774 82492 45390 79766 42914 99080 27601
61289 73481 92721 34956 44520 50326 49478 21857 21846 12304
42275 31137 48533 16197 59239 29538 38818 10898 08389 49905
95687 80058 26614 44830 97781 70381 89874 81384 91874 47735
62557 31675 64348 48303 21933 38873 90112 16927 18651 63422

82405 49849 59201 39117 91908 84043 21290 93722 28613 00304
38062 13838 04882 32296 12110 58681 23139 98759 45199 52497
56627 01029 94664 10253 96660 53084 92395 76330 64834 36305
87359 80891 13598 96121 97597 43611 63653 22744 82630 79450
51609 83162 72211 86181 86314 96607 12369 18328 37336 70650
14663 77222 03991 40136 19609 71866 38390 76141 10199 30275
20920 57131 36452 66001 11601 19518 36945 29519 25769 29796
68247 99160 07503 45450 78206 91292 99251 56819 84021 94411
31082 27105 41029 56865 77997 72710 13161 82860 58763 51105
80994 16467 74665 48387 48337 18299 11658 83746 33285 64552
54315 73009 54691 23104 85051 18452 49981 86333 67020 17069
85257 65387 34150 04488 43620 75546 36740 76719 02651 67393
16067 56919 36997 83477 06431 99367 06988 45144 88071 47828
19224 99237 39418 90507 70075 79344 62074 78767 08031 61284
77011 01807 75831 17522 15376 34477 18323 00902 52374 00440
66972 07435 57654 17839 36983 12691 60635 19679 97938 61712
54209 66097 03928 66910 85263 90724 94074 53758 05455 48308
99412 38934 80677 55796 17058 02425 00000 +++++ +++++

11141/9192/7363 kHz, 30-07, 1015/1025/1035 UTC

31831 78251 05971 38713 78334 06991 83021 51952 90620 29634
56108 85794 47076 74222 20988 71724 43684 88423 29741 13880
94751 86912 46434 61085 61857 39863 08345 06725 21962 57246
66184 83635 10614 48616 01773 46206 01191 63064 46586 56867
06115 39047 49620 19168 10979 18760 68010 24619 77516 06744
78841 05497 76360 77429 35588 10789 35525 61286 17618 47468
15540 64271 46204 54297 47198 00276 65474 00326 92820 41232
11741 25295 17005 14604 19647 64117 77783 02906 38568 22627
74125 24980 57701 96785 10723 03683 63287 52539 66008 49700
76397 08499 74319 16149 44723 03095 00000

84054 27875 83579 59009 15157 88190 26273 63499 19959 60183
07301 79727 85362 52555 16151 59997 72180 40831 62742 90398
68352 27187 45334 74124 24292 10930 71668 80903 18798 11806
44258 17234 28967 13330 45791 97106 02557 18320 85551 17900
56216 33831 92826 71138 48041 27663 68216 42810 97882 23646
28795 82909 53839 27878 08057 48918 28386 03110 96580 52891
52572 33456 34361 66843 21712 46639 90732 66134 31024 85920
92828 15514 24653 48946 88519 27545 06498 35661 54751 48068
86304 72497 87239 48408 59440 05024 32444 29005 43805 76227
47768 64159 22304 32644 00920 42579 64327 04097 00000 +++++
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11141/9192/7363 kHz, 31-07, 1015/1025/1035 UTC

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F06

Link 00000

9923/7369/5341 kHz, 06-07/07-07, 0800/0810/0820 UTC

11100 00000 75698 06051 01839
17151 11243 39357 80162 70037 97123 88417 85753 09511 02357
05380 81861 33135 69033 47058 59359 04348 34622 77234 94366
64753 87212 11629 16822 95747 67340 95769 43598 02879 83583
51716 55876 21409 34112 54572 25424 66508 51382 24706 19503
76504 12171 46650 39065 22646 80114 50585 69950 83800 72972
17363 51743 09540 71767 93001 94009 20028 14026 23597 94574
16178 38271 46567 39538 98491 71984 99199 89722 18029 80208
30408 83230 07946 16978 26656 08798 69033 46777 87975 29646
07704 28199 15022 62500 49848 77001 93098 41479 79013 50742
84099 21524 72336 22191 62286 01083 32665 33686 54868 68701

40310 49652 73285 03244 72865 49431 46167 82403 66525 27651
89882 79206 17354 94285 77623 51188 45920 91621 92962 51941
73766 70300 78827 19700 85109 91629 17809 22676 72255 48356
04770 65814 88124 21080 97661 88661 54357 12499 57515 09040
98410 26680 13520 92201 18108 85526 14138 50167 97061 99650
50198 00923 19411 35822 60893 42165 57318 48187 58629 19296
29654 65444 33656 92327 55308 51168 24423 31415 49577 79458
64594 95677 37039 93118 42664 75018 79388 36527 35101 99610
41637 51181 00000

9923/7369/5341 kHz, 13-07/14-07, 0800/0810/0820 UTC

11100 00000 14873 10052 01719
34662 37996 54873 95195 76014 98832 44939 52571 86310 08327
87077 59542 17325 17911 76217 54603 55736 07050 15030 52835
60621 64459 88770 63896 72139 25284 19917 08932 14845 81418
88518 66105 44072 07159 29219 99417 08815 67377 40862 50530
29555 00399 69643 98249 14470 92779 51731 15387 62447 88157
26298 77659 26366 97386 54898 04335 35059 02109 08130 35300
97411 68989 05526 74244 37022 16775 19596 52642 30865 03369
79974 94224 50404 25120 38598 84625 28573 45503 81857 75895
01081 95381 00663 80557 95466 12036 54346 34912 66348 09159
89366 36259 00300 94981 98720 83737 38792 80746 33022 77464
92642 46686 99178 55663 46403 57721 07602 74469 76126 46042
53890 60090 28949 02780 45922 88030 37931 45945 12298 69044
70585 56823 53068 46514 34531 02010 18678 34953 88725 83289
28080 54292 33686 82524 61939 39670 79162 93748 91876 31391
12683 59666 31682 74747 17426 54726 21439 84393 12829 81963
80499 52958 16409 75801 90237 08583 50192 28001 92534 51072
40229 78935 14914 21345 82596 41387 58283 83876 74351 52169
00000

9923/7369/5341 kHz, 20-07/21-07, 0800/0810/0820 UTC

11100 00000 28596 17053 03439
58874 06718 51971 74047 16738 82968 59199 96599 44276 08110
90010 15549 60261 78120 09924 61589 08672 40410 68561 20701
83736 62783 63219 45739 56640 10702 43935 75542 39819 12538
58504 53754 49800 17503 60872 64530 54509 75941 31344 27336
15987 96668 82043 18004 64458 61056 46071 08263 64681 98535
73785 40892 60523 53220 84651 82728 08692 96324 48096 22675
37570 64073 91801 06930 92082 25786 60877 28598 50532 11826
76352 13899 24353 56098 66421 72128 76707 32788 68874 01592
20869 92019 28163 68669 84323 24138 35535 02224 49540 07281
85662 70518 07333 17949 48223 32854 83753 09241 77851 83082
26472 86461 10914 27224 61548 34777 22528 62333 56567 78606
42285 48840 51049 77440 52092 93522 40086 87778 14586 85314
22143 45853 05546 51141 46945 50860 48752 23946 24412 53352
76726 40130 80560 78496 65775 08558 71312 38892 18807 18343
90157 16614 94319 77584 30600 19192 05035 00254 89323 39199
34587 83407 21018 72136 45722 41922 80809 72318 78436 92939
15217 51419 61491 07200 87589 49394 85750 69462 48944 32445
12766 15194 90162 97726 17055 35713 36464 89477 85511 68979
70107 56267 22380 18217 92246 04039 33231 65555 59890 24643
86383 72877 58891 04553 75202 87061 98913 43429 29714 91808
41306 37250 50975 73235 95826 05673 66631 91424 47144 68315
31110 75124 97076 99665 18872 81771 33474 17279 84172 90045
61714 82969 85764 17117 59718 21676 99974 77799 42451 87688
70601 27783 46825 32935 69065 58129 72958 56991 63251 33234
42705 43533 18477 89429 61427 12887 79030 36414 93906 45392
03712 28711 90371 55245 53814 99327 23546 19525 56988 72810
22681 92073 95413 99881 15488 56937 91733 80849 13928 01038
91180 69967 04777 10775 63322 77947 30922 22238 71885 14797
74312 79721 86072 40182 76512 82228 31830 13492 57784 22647
06485 60801 20646 49295 05211 00916 48845 04509 32736 97681

37669 19976 98745 30761 16550 73494 20421 02042 49884 36836
80532 19887 27024 69425 14546 28402 77352 37491 25168 73903
71404 63404 47768 25794 93951 34878 15120 94006 00010 28713
94892 10227 89677 28784 98337 65067 62776 42958 83606 18391
39200 53341 00000

9923/7369/5341 kHz, 27-07/28-07, 0800/0810/0820 UTC

47377 43421 83458 31477 79505 28207 83857 94638 95192 76237
23067 41340 58816 29206 83551 28895 56916 94687 52573 15564
65544 51650 93501 35846 20451 70126 87920 29767 57286 80981
28227 24612 14014 56723 65397 92536 12714 89270 41632 32493
62972 75649 62532 49915 54036 47519 88531 32586 27928 05502
50243 46145 50707 44216 17424 97652 24056 78986 76238 40662
04392 10140 94512 20235 21686 85845 79661 81332 15173 49418
58981 89024 28144 82040 36992 33952 29013 76826 09517 21480
50834 05176 39191 67982 66466 61346 22082 52690 41575 96186
00107 98546 32640 75969 98941 80497 22188 27261 96110 84669
08403 53753 48931 66858 91330 36023 37010 83772 22847 54109
00000

Link 10053

20988/18187/16169 kHz, 05-07, 1530/1540/1550 UTC

11166 10053 13579 05001 00049 00000 00000 00000 00000

20988/18187/16169 kHz, 12-07, 1530/1540/1550 UTC

11166 10053 54812 12001 00049 00000 00000 00000 00000

20988/18187/16169 kHz, 19-07, 1530/1540/1550 UTC

11166 10053 19528 19082 00049 00000 00000 00000 00000

20988/18187/16169 kHz, 26-07, 1530/1540/1550 UTC

11166 10053 58391 26001 00049 00000 00000 00000 00000

20475/18183/16319 kHz, 07-07, 1650/1700/1710 UTC

11166 10053 32147 07001 00049 00000 00000 00000 00000

20475/18183/16319 kHz, 14-07, 1650/1700/1710 UTC

11166 10053 13579 14001 00049 00000 00000 00000 00000

20475/18183/16319 kHz, 21-07, 1650/1700/1710 UTC

11166 10053 25843 21001 00049 00000 00000 00000 00000

20475/18183/16319 kHz, 28-07, 1650/1700/1710 UTC

11166 10053 89357 28001 00049 00000 00000 00000 00000

Link 60070

12219/10741/9351 kHz, 07-07, 0030/0040/0050 UTC	Not monitored
12219/10741/9351 kHz, 14-07, 0030/0040/0050 UTC	Null message
12219/10741/9351 kHz, 21-07, 0030/0040/0050 UTC	11166 60070 89542 21001 00049 00000 00000 00000 00000
12219/10741/9351 kHz, 28-07, 0030/0040/0050 UTC	11166 60070 35724 28082 00049 00000 00000 00000 00000

Link 70202

11159/9188/7669 kHz, 01-07, 0700/0715/0730 UTC File 44480 (binary contents)

10629/8138/6774 kHz, 01-07, 1200/1215/1230 UTC File 44480 (binary contents)

11159/9188/7669 kHz, 02-07, 0700/0710/0720 UTC

10629/8138/6774 kHz, 02-07, 1200/1210/1220 UTC

11166 70202 34852 01081 02439

29761 06111 90234 54391 76169 31676 75424 15882 04996 00927
38568 72603 76326 09773 11638 21493 35275 60908 68719 11092
90053 97910 15273 81555 80765 92952 45442 44992 49859 42819
40882 73321 50178 52910 09521 85844 51543 13917 87700 53707
31817 00865 54139 63436 63368 49206 29140 06763 30890 87651
57497 88882 41497 32424 98528 72378 13057 72631 71677 98963
51666 01437 31109 56247 54239 72716 67762 81710 97119 87894
62271 21073 96674 42642 37203 83241 52788 88125 82053 59034
11217 86491 49433 95849 05716 65283 45880 45495 65896 00466
65741 27335 01743 82750 41555 73966 00722 46912 09382 51594
98434 68781 12503 72312 08735 59595 91947 40453 24261 12405
37262 00218 23314 80218 95982 76755 44025 90569 65225 27895
11735 26200 13853 48698 30545 26543 08637 96045 74964 89696
42863 25416 42583 79564 90826 57072 53728 67874 36622 13819
09024 65734 50709 97537 40803 24436 12658 96676 19303 10173
03525 41880 99581 82389 16294 51956 20093 30411 57827 37366
88869 48076 40753 53408 18226 51040 88731 20311 93946 66441
03539 52399 89876 49616 67403 63532 63865 07559 79039 41001
95991 33800 46800 05065 55011 84402 87404 96326 03969 49760
03667 58120 80901 01875 39660 06115 15586 21822 36774 02299
68246 37072 39071 75565 01184 23363 21413 56048 19248 50815
38765 15429 40093 78966 20138 30377 80159 30422 55594 11337
67314 97811 49755 63814 16087 63725 40255 74392 26446 38331
04569 38621 92043 44353 03658 73004 28870 04103 35872 78249
60258 81241 00000

11166 70202 36874 01082 02019

21389 32176 59253 38297 66566 72039 39301 96393 17348 82422
48482 03141 27848 81518 90921 19955 84119 69502 91977 71063
69489 48908 68891 40498 68254 36907 60906 66451 56208 11660
29803 87676 51414 59944 66773 21636 23674 18241 66587 79064
86119 24454 54977 44659 17378 22474 80185 78554 87736 86759
04612 18302 87748 59119 57485 86009 82722 14892 34525 30358
41520 00711 55496 58157 13116 11037 15622 35152 49346 95644
91780 60741 97281 15257 89418 46319 09674 87512 41133 51916
46900 90446 92845 60825 68853 15688 38512 96902 40210 88542
89307 14240 97510 97164 88217 13878 51502 97990 05982 67262
23161 89639 79320 51128 36859 72448 77379 23492 19079 35849
07344 95447 76150 40754 95143 78453 49413 89158 02193 11788
71272 98131 64107 99872 70556 20392 62330 14151 00642 78653
64599 39193 88758 05925 95211 67742 29935 08955 20998 74356
73999 97013 63964 22369 79087 43189 76532 83822 30099 70387
40311 77088 45525 79240 74342 51843 21093 60079 63758 76102
83666 56189 44782 04987 53841 70515 07020 35913 40660 33016
98970 79908 16902 70848 47698 03713 48375 48568 28601 22379
75644 70545 46216 47040 71648 62766 11994 17552 23620 76223
29991 74674 12773 79069 26401 51494 90173 29735 83873 82199
00000

11159/9188/7669 kHz, 03-07, 0700/0710/0720 UTC

11166 70202 15963 03037 00049 00000 00000 00000 00000

11159/9188/7669 kHz, 06-07, 0700/0715/0730 UTC

10629/8138/6774 kHz, 06-07, 1200/1215/1230 UTC

11159/9188/7669 kHz, 07-07, 0700/0710/0720 UTC

10629/8138/6774 kHz, 07-07, 1200/1210/1220 UTC

11166 70202 71495 06084 01539

88061 37846 82479 45565 92359 66951 87083 68957 36068 43744
84868 39785 63678 68982 46106 16805 80957 06434 39314 66014
09969 01739 44333 19808 53567 48643 02230 20202 80306 57276
75439 13337 65694 04168 16612 87436 50726 68695 69580 71409
03654 85639 50899 36285 95900 68542 85383 66664 28084 83555
94094 94380 67070 78457 58195 11560 80001 96545 07132 05253
76228 30070 04565 80843 93101 92903 30490 66417 86540 17150
82992 15262 12321 03352 48063 48714 09034 79007 10922 06516
18632 45072 07278 96886 05520 15137 37977 63478 60107 76973
95457 11425 97780 31120 75461 59652 89218 86219 72442 11648
82993 15770 82095 61878 06393 06000 59456 80036 55409 49534
06009 40304 09817 64555 84222 87828 34289 44139 82984 59587
51492 65449 82331 01843 98078 13491 90950 51359 99540 99092
54859 72577 24838 75822 60723 67937 06757 85514 82233 03534
38922 87093 42995 17284 85414 48391 94349 01812 63913 05637
31582 84151 00000

11166 70202 75813 06085 01579

19852 93419 57056 94989 12128 03866 61177 07762 00399 85144
56536 76157 34272 83402 39466 84842 27086 90413 69200 06819
03005 97770 32590 95750 02405 42585 66339 65896 25254 43125
28947 20561 17161 47830 39542 15036 27799 46148 25804 64939
96367 14618 48149 35908 43801 96657 92379 75574 76398 39462
47969 73764 30570 36484 14187 61857 13383 48910 01238 87242
18593 04581 18612 23809 22856 97788 67827 04416 91803 38394
81754 86261 50659 23694 77710 85106 99108 31480 16511 39286
75082 57733 84667 89433 97159 47372 41913 84876 40269 91518
01252 52620 24379 89696 33712 89875 20862 00410 14998 66048
06228 28541 56215 45154 17900 23002 85881 64562 91734 83073
75372 31044 85968 96874 25033 20025 21269 60403 53109 89014
91598 50576 54698 41121 25559 50707 22916 99605 02914 51874
49447 79413 55972 78589 46684 66604 10528 12240 58636 41645
46033 10702 52789 07475 79697 47596 10119 08299 04202 19609
55428 50040 33714 95308 95208 85155 00000

11159/9188/7669 kHz, 08-07, 0700/0715/0730 UTC Active, barely audible

10629/8138/6774 kHz, 08-07, 1200/1215/1230 UTC Too weak to decode

11159/9188/7669 kHz, 09-07, 0700/0710/0720 UTC

10629/8138/6774 kHz, 09-07, 1200/1210/1220 UTC

11166 70202 58743 08087 01479

12150 90021 76264 50116 48708 94017 35753 12592 23636 68426
41699 87123 96785 18929 29610 61782 36108 98344 03896 35148
92209 23157 39227 16876 69877 74894 06211 49828 07517 41069
94825 20981 00439 75350 34044 53290 28924 81667 31080 95699
77022 51921 78712 53481 53002 11997 04103 26096 47400 55771
57562 44757 89611 71786 64692 26899 88941 92295 90341 89715
71079 19351 87822 89972 45913 07642 31812 82283 67629 08741
58385 13018 73039 06484 60617 92054 09063 98134 13183 09541
85305 01047 24404 89871 12685 89495 39171 00057 14010 91378
41185 54668 17487 99462 27950 84559 69068 76872 56957 61546
24579 61504 86504 96223 07576 99045 59570 51120 43862 59313
04203 36372 08601 15557 48842 80098 46964 91457 76030 90682
54249 05481 62928 53121 26417 67278 82089 26653 16963 05836
60934 35842 61087 34037 23336 72306 53077 79351 61790 49272
87856 35314 13575 76157 02626 87145 00000

11166 70202 65891 08088 01759

53347 95619 70069 87086 67622 30572 86833 01528 95961 68072
29045 64534 62827 22008 99013 27084 95248 63251 04706 71946

96798 33262 46452 40996 52899 14413 87359 80984 28433 61744
30838 24952 43559 25840 53700 51476 38702 21493 68269 88938
64633 21868 11919 56999 58585 82830 87499 62459 92343 27152
03076 91719 03246 43255 84423 66990 44028 78198 58714 58476
12462 29594 32827 69691 46703 66130 14731 38116 97309 31401
51371 18369 11859 10717 81491 40083 93088 65602 26841 57686
16524 65643 70196 34250 18503 72397 93634 26623 90560 55035
75500 64008 41090 42409 69504 37190 10227 41234 14380 40600
48902 75076 47552 34386 97977 23818 21246 18707 28435 68308
44469 37409 28520 69873 99317 53287 48808 39379 05030 62120
41116 75526 28235 37657 52194 77080 62831 24752 58143 58707
27927 22830 50496 25115 57288 26871 09892 83178 78728 18103
28283 96746 06875 21587 65624 13807 97751 72889 51963 20702
38616 61016 70879 03088 71493 39810 85216 18315 73829 24990
91025 08919 44715 19023 10676 11925 70118 31016 61065 43622
65549 83813 57855 88173 00000

11159/9188/7669 kHz, 10-07, 0700/0710/0720 UTC

11166 70202 12796 10021 00049 00000 00000 00000 00000

11159/9188/7669 kHz, 13-07, 0700/0715/0730 UTC File 44489 (binary contents)

10629/8138/6774 kHz, 13-07, 1200/1215/1230 UTC File 44489 (binary contents)

11159/9188/7669 kHz, 14-07, 0700/0710/0720 UTC

10629/8138/6774 kHz, 14-07, 1200/1210/1220 UTC

11166 70202 45678 13090 01639

62369 33239 52383 53074 11266 50448 85178 66310 01386 08944
58035 37079 10596 46561 77685 61801 09835 37210 84749 73931
93114 59620 91210 00060 01759 37276 73839 95793 47562 72980
40766 47359 64571 26484 13381 49872 44156 08624 90759 98197
33080 90394 88792 51350 99236 50406 71206 56361 94758 09154
14674 42565 71168 23544 75188 22222 26274 40111 47894 58436
87486 30362 37566 86292 61254 56688 81920 98150 03296 42281
94939 29038 89317 43492 22413 03085 90917 48064 26861 26922
86340 47687 44054 40993 60792 58304 78291 64715 75986 86607
28638 96427 13624 66169 63314 54052 22476 11630 84405 67428
23779 64396 50099 58232 54609 28283 46629 68443 53937 18527
27108 23274 21043 72622 59449 39515 00988 96408 50555 15225
76812 43845 38962 61708 73177 53927 73126 63711 01103 93152
17554 78786 98513 77007 53931 11744 46276 68876 69485 25146
64405 79849 49717 71773 18141 17836 17732 59995 88567 59426
87330 87995 87478 42962 22065 07781 21166 06219 17430 04906
32818 90161 00000

11166 70202 12785 13091 01559

18290 29267 86619 54596 69906 95391 51497 20458 57648 81629
97173 05566 88198 66385 15656 44835 85537 91515 00966 07081
62253 37612 19322 14677 61650 53295 49342 13335 50341 36944
84460 52903 66025 94305 14725 65147 50117 20429 30190 49435
19940 79339 13072 02272 60145 79915 10863 51620 38065 71388
07589 81945 72674 06914 35402 60914 11857 48638 93689 03699
97657 12718 67889 35810 24210 77706 65206 40407 18028 04769
09401 01017 95351 43137 61853 75597 76223 19273 61088 62892
59997 33143 97933 47001 91956 10073 68522 31118 75739 81596
72304 96359 11242 93756 47273 46634 62705 66273 59584 25480
86664 51035 89749 15816 74447 63343 82615 58537 88909 84348
53282 50903 00100 58114 66177 10633 49532 31744 29460 16681
97767 12021 71942 62594 34978 36983 94718 83410 59184 85872
14691 42033 51864 75915 42174 86006 05604 19340 59771 10651
83495 39095 94707 89469 14952 66699 01810 57790 57642 70646
99306 60560 80224 91153 00000

11159/9188/7669 kHz, 15-07, 0700/0715/0730 UTC File 44492 (binary contents). Header: 44466 70202 45698 14092 00009
10629/8138/6774 kHz, 15-07, 1200/1215/1230 UTC File 44492 (binary contents). Header: 44466 70202 45698 14092 00009

11159/9188/7669 kHz, 16-07, 0700/0710/0720 UTC
10629/8138/6774 kHz, 16-07, 1200/1210/1220 UTC

11166 70202 54712 15093 01839
77923 03743 11034 15945 83840 76850 77821 19587 68506 35931
72070 50078 98013 89443 88718 53346 65230 55673 79971 61073
21060 25985 06555 89065 09342 22846 06640 49513 14795 30421
56749 44161 02747 34548 66051 48874 82660 83989 51667 14742
67308 05596 21373 25483 07773 29759 67707 33441 11617 56828
09327 23201 15795 32434 11025 15734 99586 13208 40523 47125
53825 90185 02826 04889 67593 06362 31437 02562 19585 60349
41309 41827 00425 99953 08105 40079 37783 30706 86242 92728
58384 50354 12046 98763 09486 94678 50963 77687 73055 33727
64605 09829 41688 86153 39065 00030 56788 08913 31269 24072
83654 36674 67055 68444 62276 89912 58177 11392 06027 24695
05208 95364 68793 84127 89002 54604 27532 26101 95626 18028
84919 86525 74216 04284 55541 54303 62206 14584 19902 43851
31125 23386 98530 10784 13517 29096 09974 67072 69868 08355
15324 21291 78085 56600 27764 70571 51651 28133 64130 93426
58252 80279 08154 16023 88806 94918 63426 80713 34559 18484
82766 37178 37220 15280 08340 28272 70706 88222 60784 21838
41251 23685 29019 08936 98497 64055 10141 65090 78773 88817
52350 93181 00000

11166 70202 69751 15094 01539
11310 17173 50598 89377 69079 04437 70803 10266 89636 14575
79250 32292 58983 18863 84434 98653 68184 07850 33800 60154
45423 43147 21377 66447 25832 32416 60780 12659 58963 39654
49815 33791 66143 76545 54285 58505 71505 68028 34368 49434
45729 77930 34951 14459 53415 13538 45775 15933 70208 61762
82459 04879 35344 40770 04767 16476 07155 76729 33642 46422
89113 94811 79847 76454 95130 66913 83148 52912 22738 20750
93485 23415 54740 99931 43077 28779 32897 65564 45413 00040
91838 81658 60944 84752 67919 85556 21750 66057 15412 59107
31561 80854 20958 72991 56594 21304 25795 77725 74486 10759
05067 17622 69096 93616 87529 34690 90756 59506 45564 91501
25392 46720 30484 97893 54322 70728 95711 89698 35651 77207
78817 01969 01804 15104 18861 20827 93276 39568 61391 81069
29928 27437 37002 01807 38157 76976 36979 83263 06803 23205
03857 16814 32041 14041 51414 72005 12244 17576 53411 79992
91040 94151 00000

11159/9188/7669 kHz, 17-07, 0700/0710/0720 UTC

11166 70202 19734 17013 00049 00000 00000 00000 00000

11159/9188/7669 kHz, 20-07, 0700/0715/0730 UTC File 44495 (binary contents)
10629/8138/6774 kHz, 20-07, 1200/1215/1230 UTC File 44495 (binary contents)

11159/9188/7669 kHz, 21-07, 0700/0710/0720 UTC
10629/8138/6774 kHz, 21-07, 1200/1210/1220 UTC

11166 70202 28674 20096 01939
89356 87595 49931 62942 87812 01980 00634 51659 13952 78165
72574 84289 31107 80736 03296 96676 34096 36789 68298 41385
36108 39100 40621 04394 45918 00955 08736 13292 02624 98572
32426 35420 60082 62067 41333 89382 38256 00879 05882 18388
83621 74620 35244 98829 05864 45267 82040 82571 83019 71632
58481 96349 52269 32067 93602 46752 28555 86319 86316 04195
18224 12493 33945 64338 19879 80033 40926 10393 29617 44698
37393 24728 92857 76431 62290 23245 69935 56082 90743 10932
07653 01917 10341 82060 33976 11843 76039 13435 18062 32308
98361 24155 62807 89780 44591 00317 22102 45777 57635 08090

59979 61355 22253 43619 93845 82023 33341 93166 88984 78990
45944 01961 96508 07708 11707 75164 51968 69626 31423 59408
76781 88126 78402 78337 49690 34527 72310 20588 40421 65147
08194 03654 22739 55331 70363 62058 09085 41385 85834 33290
73984 06362 96997 39924 58412 70633 58220 91372 72297 73179
86062 53704 37366 54543 17786 60967 37504 77381 57863 66449
68819 45552 17151 57325 06604 07667 74435 81109 31383 56065
15022 57373 81222 57130 26068 73148 22502 73885 53337 85457
56328 66824 49074 79416 02784 83890 65669 55333 30192 75561
74820 96191 00000

11166 70202 95382 20097 01799
36388 36456 06061 69284 30749 36616 42675 01640 90019 75808
29692 76262 82210 39082 92322 94086 61380 18681 76541 83688
38947 89340 19270 20962 25790 37569 88580 98881 24853 43386
86108 08313 78910 37933 28857 15786 03208 85395 52581 49183
57646 62691 03953 27278 38203 35339 13665 94047 92289 52961
67698 43722 87710 12853 18908 47485 89925 65053 06134 17774
27308 57356 73017 71114 49070 43709 03716 75432 05556 04415
17692 92769 05580 51599 90782 53350 30514 18361 94712 21933
09791 55060 72264 42383 87522 81160 90272 71411 34923 66089
37641 37400 88218 37529 60567 85270 16728 40589 52157 93329
50815 96299 38630 73010 24385 32852 29282 87474 11621 88039
22417 49995 62649 06313 84416 88058 67814 78918 44142 84135
05255 00531 69859 29037 51469 40825 20866 48817 59557 54439
91017 91144 34825 77735 86329 82080 62437 85833 03862 89208
66814 08326 04041 52050 07446 27117 93644 65696 40830 04845
61609 28613 03202 17289 34857 90523 93755 88229 46334 61350
63044 50188 32440 67108 36236 79472 02040 63719 25928 78987
44246 44674 14197 07235 67160 03477 08572 97177 00000

11159/9188/7669 kHz, 22-07, 0700/0715/0730 UTC File 44498 (binary contents)
10629/8138/6774 kHz, 22-07, 1200/1215/1230 UTC File 44498 (binary contents)

11159/9188/7669 kHz, 23-07, 0700/0710/0720 UTC
10629/8138/6774 kHz, 23-07, 1200/1210/1220 UTC

11166 70202 20167 22099 01359
57794 69704 36964 89933 53902 73067 09194 34710 28640 64624
74184 85053 54087 94395 05158 97672 41788 35121 15884 66787
64671 35597 46127 45093 30627 32320 38588 22249 43680 99107
05797 53066 13708 39408 10379 52596 00613 50965 07137 00301
03924 17533 20391 20490 33738 07337 55007 31215 23942 82950
64552 78809 73662 52293 25024 00264 27877 15423 87573 80610
33121 86825 08681 97529 29228 97869 81196 70335 63043 09129
14713 55557 35053 87261 38681 56277 14851 26116 26717 37439
86399 16774 65548 64287 09013 96196 17013 06152 04990 29182
46574 72739 09857 03300 16768 75142 46140 41511 69032 28737
06614 62146 42358 40163 57950 40934 02184 45577 00731 54772
77990 92357 46728 11919 33020 81460 99422 98302 14564 12600
48670 94629 58254 99453 15475 43977 44793 47074 07791 74570
32567 08695 73302 99133 00000

11166 70202 12678 22001 02179
27855 12998 56863 24124 10836 75270 70997 38216 46350 17869
07864 35567 66475 26648 99056 60748 02047 70698 39622 11914
33457 75098 45545 96994 15377 63318 46814 82085 99097 70830
04996 88882 76475 94516 06520 07566 03246 85280 95585 82552
93560 49212 54282 57465 06427 60818 27482 93363 05615 06302
57994 38245 75907 08581 30401 40001 56642 38731 47031 20021
78472 43546 84499 49772 25840 44368 13141 63569 03056 34775
77733 33461 47754 33264 14186 26301 52657 79579 46087 98331
99287 01961 13428 29336 67222 00631 73928 28441 49954 71317
17476 21658 17942 43340 50801 18298 71040 57455 60076 36212

08443 34302 46920 50564 16292 31240 06301 52075 02665 35988
88509 25682 34598 70527 12417 85538 56861 03696 22179 27304
97146 95902 04592 83658 87378 24421 09272 93969 55821 62674
38862 24066 69673 11971 01442 97038 32844 09115 42335 21019
68586 58333 97493 24868 41683 60956 35657 37707 99872 41292
81466 73243 39195 92127 36722 04807 22965 88296 41972 42057
09025 41751 45629 45284 65005 96576 72780 38240 76252 87382
10901 05453 76115 09512 54651 84939 53295 74503 76937 92276
15920 49247 18429 36950 17054 02265 12729 16926 71318 05560
89368 02391 17310 65474 21821 44579 05513 80978 12729 70640
16377 52847 33519 50480 38276 92149 60605 46509 59997 01491
75354 82242 57481 27452 20016 01215 00000

11159/9188/7669 kHz, 24-07, 0700/0710/0720 UTC

11100 70202 45678 24064 00049 00000 00000 00000 00000

11159/9188/7669 kHz, 27-07, 0700/0715/0730 UTC File 44402 (binary contents)

10629/8138/6774 kHz, 27-07, 1200/1215/1230 UTC File 44402 (binary contents)

11159/9188/7669 kHz, 28-07, 0700/0710/0720 UTC

10629/8138/6774 kHz, 28-07, 1200/1210/1220 UTC

11166 70202 85963 27003 01799
53545 13264 11132 29369 52772 94477 69429 16305 36073 11003
36849 00700 11229 36203 27443 64021 16621 92138 77265 90330
66465 94481 62703 26667 96526 99874 31008 04484 15024 79166
60230 08049 88385 64966 90728 00755 16563 46946 95454 45283
77579 13344 81189 78543 46005 62084 37930 27347 15047 29975
78600 75730 76935 13407 36292 19883 41307 78985 11203 71608
96252 87553 84472 96255 41737 80023 41106 96064 50065 98463
69156 74854 33089 40878 27374 45005 20839 73116 98495 62649
81268 46347 70363 02039 35798 93531 12069 04996 50354 03353
37303 66406 06572 95003 72093 41688 82874 42311 69136 87158
00094 20597 35885 69265 11331 74745 68604 03587 40748 31888
09568 09566 00968 07159 69582 91900 43773 75957 83039 84531
23801 11147 87665 18163 79903 08633 46177 97262 63885 49765
52005 97464 71273 73980 86301 19323 53844 60149 18393 59354
18562 40045 66886 84294 42639 92379 63600 19522 59393 90846
87520 87579 94594 04601 60961 57725 57985 74620 25118 92460
19669 14385 37209 01969 26045 08307 56379 42399 34983 06354
10565 18937 74922 38298 61502 79596 57588 03177 00000

11166 70202 48157 27004 01539
97479 00598 76098 95638 41065 19452 55751 24627 58663 65929
56652 52073 12461 27017 68985 80145 44520 44158 30605 26315
58195 89075 49907 56459 77377 28756 74497 46962 50759 15534
85351 74260 93312 63202 21149 55266 82153 95110 62474 87108
48993 75159 30561 59624 36355 57648 80280 39048 09756 16908
92058 46321 43023 42659 92394 78475 18949 12022 57695 46518
12465 74136 81085 28256 48516 08302 06900 59500 51843 41606
62537 12091 30830 36950 42369 32165 62638 87432 23378 37134
71782 78006 17227 94766 19360 00373 88446 32861 45114 32022
93412 52904 29507 15382 19821 46184 68009 97993 31334 35771
74778 19666 47090 92822 57924 57539 10768 00641 33535 64990
28879 64916 70674 65331 83002 93610 84509 86228 45617 94893
19776 45775 54242 66595 91767 26173 23567 75591 77024 95937
00252 50570 70920 66585 90095 36618 54333 94726 12256 85057
36582 65505 60200 76974 66822 18325 74089 03877 31085 00800
54275 04151 00000

11159/9188/7669 kHz, 29-07, 0700/0715/0730 UTC File 44405 (binary contents)

10629/8138/6774 kHz, 29-07, 1200/1215/1230 UTC File 44405 (binary contents)

11159/9188/7669 kHz, 30-07, 0700/0710/0720 UTC
10629/8138/6774 kHz, 30-07, 1200/1210/1220 UTC

11166 70202 90167 29006 01259
77225 06323 71202 36162 06652 27037 91043 58399 41501 62088
82729 61010 85503 87135 84599 10852 23797 57135 92796 70454
53093 50938 53012 00485 12729 20283 74204 72063 65030 85366
75216 43645 98432 44197 00252 82126 51787 87887 64133 32884
83304 39106 13284 68427 32559 55853 13360 70350 48996 67757
99499 24270 85386 37084 50088 32444 79654 61630 70008 73750
73523 61708 94293 65714 41416 18397 48131 08280 28048 55246
24157 14003 18147 80632 62957 54359 86737 32943 47751 76849
03437 95777 49149 72600 89181 75361 80965 99133 48841 57348
52993 88003 28147 85210 31690 91979 68370 27395 44713 51477
57200 25438 90240 84899 99237 40219 37014 32611 54571 38559
26041 09195 18845 87326 09896 43705 43273 47251 90553 12602
18030 83644 41702 06123 00000

11166 70202 32678 29007 02279
79119 50269 13465 35722 48753 99310 87529 72893 81645 62926
21210 18434 90627 92268 80203 25504 39918 75488 15595 76170
48017 20984 23840 00045 74689 61053 08793 03194 59217 11903
25475 05721 02105 50929 10271 11495 07431 97239 27233 58432
28035 06314 85192 22789 80720 14781 05353 75893 23666 96221
44065 16756 13229 13942 00459 28997 82334 81665 63635 35531
07633 68066 79084 49435 57611 06088 39041 44453 38855 92987
26445 93562 82637 92038 67208 49049 39029 71829 70464 62516
70715 44103 61499 68280 63707 86060 37044 78580 97137 58085
97612 64036 39320 52802 36590 17807 62276 36436 90729 26871
91891 68379 81783 98878 35921 09932 03915 18003 56996 58127
36608 28233 82859 65605 87760 67550 70972 32446 96619 01419
69720 80925 51290 29027 43380 49106 00469 60723 53051 64226
64105 90083 10719 81800 72680 09036 48662 01388 89782 39501
71377 94951 97670 79963 82206 08763 50520 90430 01858 24766
25024 64199 21018 92361 23044 59885 54224 66536 06014 92139
87198 13276 65747 04489 34824 68200 61379 72752 51953 59362
77093 12457 64240 30142 80347 88693 11174 23173 85266 51850
18509 11249 50905 47671 42278 86130 69062 75058 51576 41212
21325 90069 42295 08962 10047 79546 99010 39089 92935 52809
47198 28376 75944 24848 62965 38100 44148 89467 32496 59995
35296 05802 78385 16687 85728 46647 95062 07534 03348 82051
60472 35818 47320 96590 16228 07225 00000

11159/9188/7669 kHz, 31-07, 0700/0710/0720 UTC
11166 70202 21478 31005 00049 00000 00000 00000 00000

Link 80214

16127/12229/9958 kHz, 02-07, 1330/1340/1350 UTC
11166 80214 23568 02006 00049 00000 00000 00000 00000

16127/12229/9958 kHz, 09-07, 1330/1340/1350 UTC
11166 80214 04715 09009 00049 00000 00000 00000 00000

16127/12229/9958 kHz, 16-07, 1330/1340/1350 UTC
11166 80214 51379 15001 00049 00000 00000 00000 00000. Wrong date

16127/12229/9958 kHz, 23-07, 1330/1340/1350 UTC
11166 80214 18745 22029 00049 00000 00000 00000 00000. Wrong date

16127/12229/9958 kHz, 30-07, 1330/1340/1350 UTC
11166 80214 93726 29055 00049 00000 00000 00000 00000 Wrong date

F06a

15611/14379/13389 kHz, 31-07, 1900/1915/1930 UTC File 04456 (binary contents)
12194/11415/10311 kHz, 01-08, 0600/0615/0630 UTC File 04456 (binary contents)

F07

M42

UAG: Russian embassy Havana wkg UAL: MFA Moscow

UAG UAG UAG followed by operator chat and a message

51

16156 kHz, 16-07, 1300 UTC, FSK CW + FSK 75/500
UAL: MFA Moscow wkg UAG: Russian embassy Havana

[illegible]

UAL UAL USL QSA4 QSA?
QSA4 QSA?
UAL UAL USL QSA4 QSA?

15940 kHz, 07-07, 0703 UTC, FSK 50/500 RPD2 wkg REA9: Russian PtP link. QSX 15870 kHz
13870 kHz, 07-07, 0707 UTC, FSK 50/500 RVQ6 wkg RVB3: Russian PtP link. QSX 11065 kHz
5350 kHz, 07-07, 0727 UTC, FSK 50/500 RAU2 wkg RVQ. Russian PtP link. QSX 5145 kHz
5800 kHz, 07-07, 0713 UTC, FSK 50/500 RYF2 wkg RWI: Russian PtP link. QSX 8115 kHz

P07

9368 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1400 UTC
8185 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1410 UTC
7704 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1420 UTC
6872 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1430 UTC
5861 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1440 UTC
5386 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1450 UTC

Q26 - Chinese military

3169.15 kHz, 10-07, 1202 UTC

4+4 followed by operator chat and a transmission in a 188-110A variant. After that more opchat

XYXYXYXYXY HR TRY LL

4482 1859 6282 5008 3319 8780 2727 8722 0000 0000
9619 9457 7660 8547 9436 6545 9446 9976 5001 3203
0427 8958 8553 7197 6475 7103 2029 5214 5347 5376
0028 7551 8276 4790 4849 7819 2748 9518 4273 7985
8684 8023 8551 8336 8420 7155 1917 0435 3445 1804

QSL?:

XYXYXYXYXY HR TRY LL

4482 1859 6282 5008 3319 8780 2727 8722 0000 0000
9619 9457 7660 8547 9436 6545 9446 9976 5001 3203
0427 8958 8553 7197 6475 7103 2029 5214 5347 5376
0028 7551 8276 4790 4849 7819 2748 9518 4273 7985
8684 8023 8551 8336 8420 7155 1917 0435 3445 1804

QSL?:

5475.75 kHz, 17-07-2026 1210 UTC, 4+4 QPSK 75/1000 LSB

WB66---1XPA

1213 0030 4620 6320 8741 5446 7335 7880 6990 3917
7936 7036 1360 8394 4649 3668 8666 5781 8260 2117
5256 0473 7341 6768 6195 4956 7087 6753 3438

AHR ZNN SK /

\$EOQU

7936 7036 1360 8394 4649 3668 8666 5781 8260 2117
5256 0473 7341 6768 6195 4956 7087 6753 3438

MSG AGN

WB66---1XPA

1213 0030 4620 6320 8741 5446 7335 7880 6990 3917
7936 7036 1360 8394 4649 3668 8666 5781 8260 2117
5256 0473 7341 6768 6195 4956 7087 675 EREI

AHR ZNN SK /

XPA1

13368/12168/11168 kHz, 01-07, 1210/1230/1250 UTC

311 311 311 000 311 311 311 000 311 311 311 000
03723 00001 00000 10140

13368/12168/11168 kHz, 03-07, 1210/1230/1250 UTC

311 311 311 000 311 311 311 000 311 311 311 000
07008 00001 00000 10140

13368/12168/11168 kHz, 08-07/10-07/15-07/17-07, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1
09662 00142 12786 20289 82956 66058 66229 33676 20071 76809
05556 92795 31699 84630 23271 73272 48797 72013 89158 69159
63716 13037 79727 64618 34337 26680 38424 45308 16668 04651
55491 32266 40707 74066 61484 03858 21340 79502 69983 21118
09508 75362 93201 14424 37167 87452 09503 23381 92989 00153
76957 52726 25461 57811 01509 93446 54006 07563 49468 08029
62690 75931 95581 60657 83471 27426 97298 79419 78028 94817
33213 84411 16876 49581 64683 89728 56393 35354 07075 99843
52245 49545 37733 46121 18098 53862 68249 31514 16630 64598
90021 08225 74547 05669 11444 64464 39448 87099 88202 94454
67800 31926 64002 70090 14550 21225 04522 59972 27916 38589
08118 72930 08877 36194 09044 41110 30799 91177 05909 63007
29181 20327 60397 97618 41091 00784 53109 15720 81258 78422
43501 96060 08785 92279 78451 67882 28017 16511 74271 63351
81388 36161 78290 72743 56477

13368/12168/11168 kHz, 22-07, 1210/1230/1250 UTC

311 311 311 000
08273 00001 00000 10140

13368/12168/11168 kHz, 24-07, 1210/1230/1250 UTC

311 311 311 000 311 311 311 000 311 311
04305 00001 00000 10140

13368/12168/11168 kHz, 29-07, 1210/1230/1250 UTC

311 311 311 000 311 311 311 000 311 311
04095 00001 00000 10140

13368/12168/11168 kHz, 31-07, 1210/1230/1250 UTC

311 311 311 000 311 311 311 000 311 311 311 000
09747 00001 00000 10140

XPA2

14387/15854/16326 kHz, 0700/0720/0740 UTC

14387/15854/16326 kHz, 01-07, 0700/0720/0740 UTC

03238 00001 00000 10140

14387/15854/16326 kHz, 06-07, 0700/0720/0740 UTC

06551 00001 00000 10140

14387/15854/16326 kHz, 08-07, 0700/0720/0740 UTC

07010 00001 00000 10140

14387/15854/16326 kHz, 13-07/15-07/20-07/22-07, 0700/0720/0740 UTC

00393 00264 68695 04422 96327 46750 78360 14940 04474 09676
19024 24631 66498 09227 39641 98967 58025 83489 51597 13162
85959 47878 88496 09224 94729 32134 76114 03271 73664 87735
59646 21184 59089 55976 84601 21301 14607 65076 09997 64202
95080 18922 11179 73035 43439 41126 98236 30536 27462 90377
75667 00927 49708 55636 95099 85219 91002 94327 43182 30224
01087 17930 08180 92723 79047 78588 27875 74925 06265 74761
88191 89785 18344 66147 73029 20866 66716 49872 26384 48447
09486 86911 48328 06388 16041 57867 32447 60143 22108 51122
53065 12664 04952 89702 45707 96053 23044 07851 05862 97364
31037 85887 65161 49421 82666 34570 44418 78408 91054 75593
47611 26408 75244 25674 08549 30556 34389 12006 56009 26195
01030 90809 41552 96691 83148 73266 66493 59926 33428 94677
49986 63410 92821 88379 41769 53994 17019 18617 70816 78601

77298 05807 14778 37789 42601 45282 11988 81496 95247 04170
53770 89544 53577 60293 23455 13265 97532 76774 91998 13490
11491 39991 12739 02701 96405 98192 85497 51923 46413 16821
27702 92357 96188 41252 86539 34009 60289 85291 66411 46544
53545 88807 45576 10794 50726 94649 27641 31530 98338 44867
01314 55179 88142 91003 63109 68078 76433 26800 15385 92740
28398 42820 65894 95588 18157 85503 35483 57797 65611 53078
71493 60549 80814 60259 39918 64463 48090 03283 74674 27361
14849 23233 71166 06498 91752 49504 04704 45960 84621 84106
18801 10977 94387 04073 79876 77878 51748 91811 66183 54491
85160 66730 37321 85794 37694 39966 54937 79557 47285 30147
05623 39347 57662 01345 63843 20628 42009 45745 66658 94101
05681 96291 48779 82038 92020 20826 13530

14387/15854/16326 kHz, 27-07, 0700/0720/0740 UTC

09730 00001 00000 10140

19345/18495/16279 kHz, 0910/0930/0950 UTC

19345/18495/16279 kHz, 01-07, 0910/0930/0950 UTC

05909 00001 00000 10140

19345/18495/16279 kHz, 06-07/08-07, 0910/0930/0950 UTC

08285 00044 50673 70065 67118 66384 15755 95326 37074 93962
88223 30130 77347 77324 17772 68716 19430 29561 00585 59918
74854 87526 94266 22966 39109 38188 10548 82148 28276 34915
69999 12909 37212 73343 71732 78180 13797 65834 33980 89314
09096 35707 28892 30016 11959 51162 06340

19345/18495/16279 kHz, 13-07/15-07, 0910/0930/0950 UTC

04753 00075 24510 45328 92271 30352 46538 29666 31382 77465
05369 42465 03371 98226 91366 65613 24656 40193 84464 52820
94598 80530 65196 27540 10783 10971 07021 36784 74232 61400
14149 25771 10309 91307 19690 81233 91065 24864 63137 79343
57660 91963 50596 50391 36384 12377 23981 84235 31380 47225
35422 43361 80866 92600 98131 98210 92737 67808 50033 47204
66496 31931 37130 54114 54611 17786 83234 09047 70253 52830
27901 96030 73522 68614 81138 64313 93487 62521

19345/18495/16279 kHz, 20-07, 0910/0930/0950 UTC

04299 00001 00000 10140

19345/18495/16279 kHz, 22-07, 0910/0930/0950 UTC

05389 00001 00000 10140

19345/18495/16279 kHz, 27-07, 0910/0930/0950 UTC

03183 00001 00000 10140

19345/18495/16279 kHz, 29-07, 0910/0930/0950 UTC

09290 00001 00000 10140

17474/16274/14574 kHz, 1800/1820/1840 UTC

17474/16274/14574 kHz, 01-07/-03-07, 1800/1820/1840 UTC

07883 00225 72809 39278 66898 62674 88137 33674 87454 77589
38216 17503 78311 93370 31233 91269 84512 75693 61706 06216
22118 07860 07192 37804 48417 79629 99532 29539 13090 33517
10728 98026 08295 58624 85170 94807 34837 48331 05135 65390
08321 73556 75115 65103 86736 90888 15614 05108 95851 90838
38393 22890 49924 38778 25397 82659 91336 83013 61155 17366
02780 29527 72420 84077 11953 99078 90837 81129 81686 52128
32441 16486 14100 58579 27593 07471 51358 76167 90496 50739
74495 19535 92090 89549 06454 09925 12043 03164 22273 64471

33288 26957 53458 98623 07078 38318 20874 28077 88493 62577
99390 81109 40415 22915 11812 06407 99504 16696 97597 67032
37197 77976 65992 23835 69736 63445 79687 05053 47431 13675
33287 75390 93243 06484 39321 93468 23594 08657 60188 48183
94528 14438 17809 60586 51147 95646 12497 67140 25646 24095
96265 75027 69061 28337 28967 88360 83824 73347 01408 20567
92085 02051 64105 89989 52999 95432 53068 75898 64499 20730
95085 80242 25893 39876 40259 82568 35315 16612 08940 01401
97282 19742 35244 69485 86187 74779 10838 86229 37414 33993
13744 78269 95038 01961 92178 46103 91387 90964 18562 82172
92494 26239 32332 22853 50654 14110 27412 10981 62621 11924
02757 25666 17833 80373 61845 42025 14377 93363 57294 43361
95672 48922 59505 14289 60758 69653 02849 27001 10307 55753
33627 94389 81426 81259 18149 18687 42602 26752

17474/16274/14574 kHz, 08-07/10-07, 1800/1820/1840 UTC

03565 00179 91046 21973 40398 90272 30608 25589 57485 69503
48492 62838 14686 44980 77394 47723 39482 64279 10766 44695
61526 55695 73395 49794 27500 51305 02260 42405 20335 45151
32368 44129 17504 70697 94512 80115 99730 67758 91141 69915
84574 20055 98797 77183 11377 55846 23429 57221 39609 45886
85031 18615 11753 47542 03693 09051 40710 54821 51196 87539
82537 66556 83433 63353 18377 43277 45905 32580 69016 96301
49053 29284 68581 14011 07623 20492 06429 25482 59346 85692
66742 59944 83693 74825 58359 12247 70370 34682 55728 21108
99105 62570 17804 51892 95477 46899 92717 24773 06000 65258
29321 46568 17990 75405 36918 51153 22202 32978 27613 46343
35641 95887 57430 93728 82158 81573 62394 13768 13283 23708
62024 26103 35456 73762 79780 50954 37459 12045 22366 92249
11908 82174 84869 56692 74527 25574 23146 00981 32874 60219
67601 83480 31329 22299 38387 82590 57028 27890 59501 97467
86580 11486 68538 44578 40631 84272 94193 27857 42453 30740
44550 12652 91751 60371 92508 33954 26074 35684 40453 85082
30980 28477 85501 95554 88799 99131 34769 24524 63832 10583
05390 45421

17474/16274/14574 kHz, 15-07/17-07, 1800/1820/1840 UTC

02322 00180 06309 59393 42878 13784 49688 21400 06239 41427
12749 21886 78247 46793 01853 52650 47471 98589 19310 48122
11827 41646 96958 00061 17492 61881 34492 26415 42069 51055
35783 90129 88136 49952 82053 79289 75154 28123 78402 98466
80795 09664 87361 62897 33928 10274 99218 19079 53767 46349
71596 41615 72994 11030 12767 25800 93898 62282 32207 21498
90271 19534 91946 41489 90135 75098 09321 62297 81086 84873
38966 80524 70075 46491 25940 85390 55392 96305 00979 54327
11075 39209 21374 52327 98823 16293 21365 61285 61335 58847
31686 37487 86507 15007 42312 73525 32083 73821 45790 33642
69325 00867 20724 38325 05771 70732 36200 53062 72556 31818
99017 45896 76856 95265 58712 31108 03164 28492 18417 23090
52260 14108 04700 30072 53446 21464 74060 71546 24844 11432
95410 54381 73629 41386 33504 32864 17523 05435 81863 30136
28155 56619 66124 66522 58379 57997 16038 41872 97526 52309
92273 04757 70191 87480 42638 92878 83774 86336 91563 31829
02548 10763 29916 95206 25061 65670 08301 08225 17341 44282
20251 66208 96652 89310 71175 00258 04703 00225 96061 33815
65514 28182 73123

17474/16274/14574 kHz, 22-07/24-07, 1800/1820/1840 UTC

07681 00093 26189 74888 79349 07643 40924 13500 44029 18270
95733 30807 74146 29728 50337 34185 56390 75336 64094 44664
96204 08579 84325 13362 47912 31382 96092 59252 18171 84904
57880 20777 79403 96578 51030 61401 53464 55548 89658 10748
18958 21150 16330 60523 09276 42244 79597 95559 43677 21194

41695 86864 24152 97365 31626 86636 12269 05458 36369 19412
67644 13656 39798 66771 73657 00912 79079 14573 09744 81581
32060 90619 50463 48521 07217 08276 01480 87329 93998 47175
99661 05639 13438 10639 12365 29828 65153 75056 99065 51668
46353 71538 08854 93847 14097 46441

17474/16274/14574 kHz, 29-07/31-07, 1800/1820/1840 UTC

07542 00112 92056 85302 06171 68887 27986 32385 39209 91004
66747 26052 81423 71304 32671 86086 69499 31919 79277 51705
46813 14095 14415 85399 34460 55645 17962 85754 52828 72250
70575 26162 10595 78649 14422 27314 43282 07666 79085 73207
27648 03420 66662 59903 11133 42527 39318 08460 33295 69910
64193 60693 16832 39492 96773 87020 15046 15038 84137 69935
23974 80015 45259 00000 78886 40906 51031 53651 57433 96172
66327 58121 19866 38181 74978 46617 34129 66544 89071 38169
69981 64353 50281 26037 80508 49682 58363 87214 59367 44442
69217 24652 53434 08268 16027 10896 38812 42368 53012 36776
26521 53490 62774 13091 85169 58148 77509 09054 12004 82210
67434 05087 74498 12837 22200

18371/17457/16279 kHz, 0900/0920/0940 UTC

18371/17457/16279 kHz, 02-07/04-07, 0900/0920/0940 UTC

00598 00099 76330 77245 13346 77221 79679 96861 11457 73293
11194 10914 33299 93502 67006 64021 74990 20801 02617 00391
45011 18741 55823 45317 70190 73590 38157 72380 19297 19539
09837 54970 94489 27597 38702 18514 89105 93043 16690 55182
73329 16614 39114 69308 19258 86124 78052 59363 88159 81453
27845 92352 38109 95131 43137 50388 18090 57207 65446 63691
69901 89296 07501 96721 43301 71185 58232 84058 03491 72778
42957 98420 02388 38696 41934 37218 20862 47771 12695 57709
28040 19055 27063 25589 13884 66582 06813 64294 99375 12992
24224 80496 57010 88584 79752 48680 41805 71977 16826 68811
92768 75367

18371/17457/16279 kHz, 09-07, 0900/0920/0940 UTC

05704 00001 00000 10140

18371/17457/16279 kHz, 11-07, 0900/0920/0940 UTC

04629 00001 00000 10140

18371/17457/16279 kHz, 16-07, 0900/0920/0940 UTC

06406 00001 00000 10140

18371/17457/16279 kHz, 18-07, 0900/0920/0940 UTC

01529 00001 00000 10140

18371/17457/16279 kHz, 23-07, 0900/0920/0940 UTC

01730 00001 00000 10140

18371/17457/16279 kHz, 26-07, 0900/0920/0940 UTC

07054 00001 00000 10140

18371/17457/16279 kHz, 30-07, 0900/0920/0940 UTC

00344 00140 60357 12305 03912 23884 28766 40904 61497 83239
59567 38578 62555 41965 02369 93395 86823 51796 33504 94549
71503 29645 37985 62137 10159 86362 80221 05617 87837 14789
13921 33991 92108 12382 77038 58329 78718 78417 63737 74737
82524 92023 94403 74053 90431 00693 85849 33296 18599 63910
29283 30995 69794 48599 06143 29253 17843 05408 00102 82410
34962 57182 27255 10059 94753 52437 12513 74817 72031 60131
49384 14876 07841 71852 91238 56733 42371 03305 96308 61061
05225 10077 94297 02593 97076 38458 56232 23115 96705 28194

70464 16795 38591 88765 17737 47013 40789 80729 84927 89874
00518 08629 46962 58568 18077 32844 46832 94434 28267 33008
38136 21617 50558 70064 60571 23415 24691 95108 53165 68749
10095 91348 16711 13383 83563 70984 25243 19001 97560 36284
78973 77895 44640 20397 09131 79654 80960 04349 11864 17219
28304 49152 02023

18031/16132/14731 kHz, 1100/1120/1140 UTC

18031/16132/14731 kHz, 02-07, 1100/1120/1140 UTC

00687 00120 06970 20231 54026 68392 11769 10932 74105 52745
43417 56927 48708 54053 11947 77140 54914 39751 74610 57668
77786 56071 83023 08159 51058 55837 75260 01716 85854 04242
99510 51577 45412 71556 40827 76308 83900 65334 31439 59471
61163 38567 44417 14544 55360 96038 74370 03140 37790 82990
94754 31021 87612 41679 99422 05361 40438 76670 16358 47856
08079 13695 17215 21585 14686 74200 27246 87812 84500 51917
40351 89277 90011 65716 73908 02765 50179 63319 99518 98569
61630 54936 55787 98517 07679 94692 50114 22607 22356 69561
02751 26423 67125 15025 95836 97295 48540 08352 32432 46305
21515 11771 76508 79529 16525 51373 55727 30304 27780 65836
52987 40015 05501 72428 62684 57789 89306 46471 65694 97265
06859 40603 51202

18031/16132/14731 kHz, 08-07/09-07, 1100/1120/1140 UTC

00514 00070 93226 52667 72288 76220 91087 04772 78555 49955
64242 63755 85616 67466 07559 17597 47614 38449 70800 55037
01161 87366 09714 96322 36551 84459 54636 84072 30376 54211
98393 03953 38738 96288 66055 03077 11983 42819 00949 43307
73378 20038 56840 97254 65546 06425 22666 59490 14877 55756
04974 29426 26287 70106 25362 65008 94935 59107 93651 77657
25005 35868 03360 70514 08888 82247 28097 84116 59820 03081
01641 71614 06071

18031/16132/14731 kHz, 15-07, 1100/1120/1140 UTC

02976 00001 00000 10140

18031/16132/14731 kHz, 16-07, 1100/1120/1140 UTC

03526 00001 00000 10140

18031/16132/14731 kHz, 22-07, 1100/1120/1140 UTC

07676 00001 00000 10140

18031/16132/14731 kHz, 23-07, 1100/1120/1140 UTC

03907 00001 00000 10140

18031/16132/14731 kHz, 29-07/30-07, 1100/1120/1140 UTC

00794 00050 65391 93234 68385 45457 99481 97571 31068 57392
51737 00278 13769 67956 70495 03943 52472 79607 61538 66270
89759 29977 25761 24651 22520 08546 04650 18159 36757 85415
07449 92363 29257 14095 40697 62966 09530 52665 33199 44120
53438 00114 55643 46726 21691 20874 03472 51264 34347 06408
77285 80069 32322

18235/17437/16179 kHz, 1700/1720/1740 UTC

18235/17437/16179 kHz, 02-07, 1700/1720/1740 UTC

01083 00188 37527 04735 09181 50994 17780 33819 58608 08764
95826 59718 49964 62066 36474 34770 67443 77355 92054 31033
57455 98888 08968 35680 20887 84019 60993 20460 68528 76579
40670 28707 84204 48274 97613 76268 46284 56053 89223 19310
19613 18557 44123 98249 39436 81839 85932 70754 78569 84554
10384 42298 01700 70250 81121 79594 69767 01989 91503 88332

14260 65146 28661 46778 58756 71792 12631 28921 23275 18884
09284 05828 63242 82182 39919 64975 88112 75780 10685 81581
24681 07531 19544 68032 77734 08960 93063 46066 93733 26309
36993 62771 71414 64455 34716 18666 02116 09695 64770 42593
61570 79126 46992 71051 38004 68739 82803 59710 29867 56757
35464 79651 09552 66893 52840 20627 13184 22049 42480 35711
61145 25760 26614 27151 42204 41383 55018 49065 49247 02012
82558 31281 74450 13273 30749 35072 61937 22958 83859 86393
67024 25467 04598 14753 33656 17928 71515 20480 42780 89515
35011 44571 19193 34269 85532 62710 58058 51259 27798 41813
13278 46053 20012 22949 51122 94482 66006 85367 87887 07231
91012 25237 84008 22164 88937 12281 41743 78871 63264 78551
99249 02959 33734 49150 43070 56364 01688 11494 70995 91747
01225

18235/17437/16179 kHz, 07-07, 1700/1720/1740 UTC

04307 00001 00000 36254

18235/17437/16179 kHz, 09-07, 1700/1720/1740 UTC

08027 00001 00000 34662

18235/17437/16179 kHz, 14-07/16-07, 1700/1720/1740 UTC

00911 00160 99497 17251 13662 81628 78982 48186 62100 65153
96134 62130 93281 28812 49234 52465 16793 39516 39301 49661
44679 41948 05879 42836 88618 91280 03395 13354 67886 54707
52454 80181 39657 32661 87670 46854 53893 93407 83793 25900
05414 83406 09531 18075 70466 46563 81095 83237 99588 41733
71786 79624 30503 07108 19570 70138 13463 11929 92481 46734
86648 04785 85461 03198 97874 51734 84835 12532 58497 70420
62120 60322 57782 81955 48568 16762 43659 14676 10405 27184
00929 26963 32108 35542 96924 71301 50140 01758 80847 39033
37930 61758 66385 47532 48793 43295 27493 40918 85326 75031
10905 08493 66415 46709 74066 60996 55891 77394 49458 41108
62733 96062 07114 57999 26043 05535 89380 25829 60257 10003
71293 54281 77678 91021 32133 91229 12515 91962 09449 75168
29724 23062 14261 57710 01408 23837 41337 86387 62359 53131
17259 30463 44945 11328 52266 00500 76564 11896 85956 34959
65088 58228 03454 71234 30156 12640 19662 81548 02855 78160
66714 08479 21563

18235/17437/16179 kHz, 21-07, 1700/1720/1740 UTC

02907 00001 00000 41252

18235/17437/16179 kHz, 23-07, 1700/1720/1740 UTC

06233 00001 00000 33661

18235/17437/16179 kHz, 28-07/30-07, 1700/1720/1740 UTC

09362 00195 61382 83120 70601 66940 10923 00181 49791 74160
71629 15655 09139 82440 76030 26306 01159 24600 71190 19507
26973 92594 70910 75687 31665 92049 70140 65022 26627 85516
23169 02974 94275 89482 32483 01661 83732 74313 53685 58261
56527 50193 14318 37383 58609 30352 22722 63332 71552 33105
40163 96054 40949 48826 26176 38703 73714 21191 94506 60488
50205 75846 24626 79051 07969 34320 54690 90531 91053 00150
35996 19257 70168 14035 32074 63156 63202 87011 08727 45288
74926 39905 62497 83182 15811 39610 88002 62179 69734 05610
21164 96320 78459 06684 39969 22439 85730 27069 39684 67675
26902 45281 12947 30746 60899 93795 07616 19654 97510 78862
82096 78845 73987 97514 86959 65515 93104 90951 44094 23202
77202 99037 39276 28778 79714 64081 00117 76229 75805 91189
98379 44166 03302 24020 19659 71236 26678 12455 89087 36357
95722 58736 55662 42160 46825 86175 19569 02159 08923 08821
98029 16427 61887 41761 35902 47368 30020 67490 91145 97376

26690 95653 07254 51619 10701 02849 84740 27640 88042 24236
71616 64368 59007 92795 48905 18062 34332 42821 90372 98711
21651 56707 64233 21048 65864 60874 89109 78673 55101 30484
94394 57127 73714 81695 82098 36100 07459 30263

14958/13958/12158 kHz, 1100/1120/1140 UTC

14958/13958/12158 kHz, 03-07, 1100/1120/1140 UTC

08455 00001 00000 10140

14958/13958/12158 kHz, 07-07/10-7, 1100/1120/1140 UTC

05001 00072 45305 95820 53866 74628 71543 44782 34382 64463
08100 93199 90051 80338 61683 68010 60360 60080 63183 08561
39854 08186 03436 57140 60886 28368 22253 06331 58700 30682
81111 54283 26643 55636 09617 99426 18581 88130 78718 08404
16743 38381 71040 11571 61328 44461 34100 49060 51238 94876
88567 81546 20376 41342 00343 74825 73614 48861 38554 37375
44486 48097 09226 58200 66777 23485 90193 42858 80631 19964
38101 30362 92218 91340 23626

14958/13958/12158 kHz, 14-07/17-07, 1100/1120/1140 UTC

05235 00055 48825 71782 13950 39784 57723 68284 64104 83667
80068 11668 63366 21987 28472 51534 20283 35449 78956 16426
59941 22009 66794 71859 60771 57847 21802 40265 18407 17303
94846 29155 18338 35688 81005 50665 50272 14995 14746 68199
00802 19521 79555 73940 84878 04570 00351 28244 28706 54885
00703 40605 03346 88638 33096 93412 70862 77100

14958/13958/12158 kHz, 21-07, 1100/1120/1140 UTC

05832 00001 00000 10140

14958/13958/12158 kHz, 24-07, 1100/1120/1140 UTC

03314 00001 00000 10140

14958/13958/12158 kHz, 28-07/31-07, 1100/1120/1140 UTC

09298 00078 73905 01066 66218 83386 67393 57660 59155 67390
61508 24511 30095 76097 47046 27466 31764 18878 81398 27495
26054 59400 57943 10909 79125 67095 65560 85517 81345 06965
00301 30176 27356 37224 27973 81665 58624 48526 77097 87120
97919 84379 60987 80361 80516 74417 84349 06886 23435 16304
19311 04174 88024 79756 20785 00145 69443 12127 05049 01953
80327 10318 07076 33741 18323 39938 73740 20945 13234 88743
65748 12615 41834 71791 97433 97810 81914 33089 97511 94056
35004

18034/17469/16091 kHz, 1500/1520/1540 UTC

18034/17469/16091 kHz, 11-07, 1500/1520/1540 UTC. 1520z test tone, no transmission

04727 00001 00000 40256

18034/17469/16091 kHz, 13-07/18-07, 1500/1520/1540 UTC

00985 00113 33060 92947 41629 29433 84006 50694 58890 58530
91142 93588 25203 63365 53733 20571 29069 37743 78870 97365
68132 77821 43221 65065 40751 52263 77979 29449 96797 32068
69514 21945 86758 72579 15496 02161 93130 94374 53952 33581
02919 21954 52796 81645 14076 22017 75605 65712 74125 23835
49938 67787 24853 74486 12785 21520 04987 17908 32894 32191
60675 56125 28634 04389 49380 62790 38552 04238 02937 83640
85162 06851 87515 27050 01554 14514 51344 47928 77865 25282
45535 70233 01416 43988 95046 61077 54056 51500 82886 22055
65836 60201 00341 96457 14152 23729 30710 91488 65297 34524
28933 52930 65475 24462 35773 15377 82232 63322 18230 44156
46981 96014 69231 12571 70527 13760

18034/17469/16091 kHz, 20-07, 1500/1520/1540 UTC
04519 00001 00000 40255

18034/17469/16091 kHz, 25-07, 1500/1520/1540 UTC
04490 00001 00000 33265

18034/17469/16091 kHz, 27-07, 1500/1520/1540 UTC
08882 00165 62512 83706 26678 23934 96289 35110 41729 14908
15276 79303 27016 00186 47936 53367 62288 98769 03074 73446
79877 11582 14431 64986 39356 23908 02827 01878 96540 42580
04081 14759 95413 13596 68094 99146 91134 66640 72994 75125
89648 73027 39151 06567 51586 64200 83975 38724 18489 57936
78990 92391 29133 22440 26088 74129 54342 27046 88359 25438
95468 01837 25804 36852 15533 88016 30997 78599 65672 84257
27918 92701 80984 49407 50782 81155 77809 66615 35844 37428
33020 34908 24122 12237 89351 55517 60516 29526 34516 26029
28562 12172 77550 04078 16632 10397 18595 08515 72301 87926
62329 10330 23795 58882 76678 33847 64532 44273 89590 23920
66234 50319 26787 94461 55696 22257 14091 31753 98112 99065
81460 22036 60060 41678 14047 85223 59425 68437 31981 75544
31175 23595 58097 10038 63786 21795 88283 83913 59587 39094
28345 04270 60444 74312 89882 39268 40457 47296 20016 12044
21717 45790 61360 55487 46867 84808 55085 91931 07497 75240
17367 52614 63048 05967 88106 37172 46668 60052

XPB1

Thu-Fri schedules

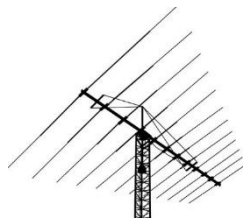
18687 kHz, 02-07/03-07/09-07/10-07/16-07/17-07/23-07/24-07/30-07/31-07, 0500 UTC
18287 kHz, 02-07/03-07/09-07/10-07/16-07/17-07/23-07/24-07/30-07/31-07, 0510 UTC
16287 kHz, 02-07/03-07/09-07/10-07/16-07/17-07/23-07/24-07/30-07/31-07, 0520 UTC
15887 kHz, 02-07/03-07/09-07/10-07/16-07/17-07/23-07/24-07/30-07/31-07, 0530 UTC
14487 kHz, 02-07/03-07/09-07/10-07/16-07/17-07/23-07/24-07/30-07/31-07, 0540 UTC
13387 kHz, 02-07/03-07/09-07/10-07/16-07/17-07/23-07/24-07/30-07/31-07, 0550 UTC

Tue-Fri schedules

20024 kHz, 03-07/07-07/10-07/14-07/17-07/21-07/24-07/28-07/31-07, 1300 UTC
19224 kHz, 03-07/07-07/10-07/14-07/17-07/21-07/24-07/28-07/31-07, 1310 UTC
18324 kHz, 03-07/07-07/10-07/14-07/17-07/21-07/24-07/28-07/31-07, 1320 UTC
17424 kHz, 03-07/07-07/10-07/14-07/17-07/21-07/24-07/28-07/31-07, 1330 UTC
16324 kHz, 03-07/07-07/10-07/14-07/17-07/21-07/24-07/28-07/31-07, 1340 UTC
15824 kHz, 03-07/07-07/10-07/14-07/17-07/21-07/24-07/28-07/31-07, 1350 UTC

Mon-Tue schedules

18687 kHz, 06-07/07-07/13-07/14-07/20-07/21-07/27-07/28-07, 0500 UTC
18287 kHz, 06-07/07-07/13-07/14-07/20-07/21-07/27-07/28-07, 0510 UTC
16287 kHz, 06-07/07-07/13-07/14-07/20-07/21-07/27-07/28-07, 0520 UTC
15887 kHz, 06-07/07-07/13-07/14-07/20-07/21-07/27-07/28-07, 0530 UTC
14487 kHz, 06-07/07-07/13-07/14-07/20-07/21-07/27-07/28-07, 0540 UTC
13387 kHz, 06-07/07-07/13-07/14-07/20-07/21-07/27-07/28-07, 0550 UTC



DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

13974 kHz, 15-07, 0832 UTC, RFSM-8000 QSX 13962 kHz

13962 kHz, 15-07, 0832 UTC, RFSM-8000 QSX 13974 kHz

Diplomatic stations: Egypt

Adam (AJT) sent additional info to our doc <https://udxf.nl/Egyptian-diplo.pdf>

He says *I have spent some time translating some common words that appear on the Egyptian MFA SITOR messages, and was surprised to see relatively random (to my eyes anyway) words such as KDDR SGLF KDKPKKK actually read "May Allah Enlighten & Bless this Hour" in ATU-80. As a bit of a linguist I find this fascinating.*

AQY واقع → Status: Active / Connected

AS / AS_ZBH أي شات → Inquiry: "Any text / chat?"

B بك → Shortcut: "To you / For you"

BSWOFY / SQJ تحديث → Automation: Updating terminal link

BSWSQJ اكتبلي → Operator slang: "Give line / Write to me"

CIRS / WRPR وزير → High Priority: "Minister / Secretary"

CRQ / OEXLWK فحص الداتا → Maintenance: Checking data packets

DJK جيد → Status: "Message received / Good"

DKEGF جارقم → Traffic status: "The number arrived"

DUKY جواب → Traffic type: "Letter / Answer / Document"

EGF رقم → Metadata: "Tracking number"

HWK / TK نكة → Command: "Standby / Hold line"

IBR / GT جاهز → Status: "Ready here"

JCDP / HBY من يسمع؟ → Handshake: "Who is listening? / Respond"

KDDR SGLF KDKPKKK → "May Allah Enlighten & Bless this Hour"

Diplomatic stations: North Korea

14300 kHz, 01-07, 0632 UTC, DPRK-ARQ 600/600 LSB

14300 kHz, 13-07, 1340 UTC, DPRK ARQ 600/600 LSB

16350 kHz, 24-07, 1310 UTC, DPRK-ARQ 600/600 LSB

16800 kHz, 28-07, 1230 UTC, DPRK-ARQ 1200/600 LSB

DPRK embassy Moscow wkg unid DPRK embassy

DPRK embassy Moscow wkg DPRK embassy Sofia

Unid DPRK embassy wkg DPRK embassy Moscow

DPRK embassy Moscow wkg DPRK embassy Cairo

Diplomatic stations: Russia

18280 kHz, 01-07, 1110 UTC, MFSK-6

16115 kHz, 01-07, 1116 UTC, MFSK-6

14824 kHz, 03-07, 1025 UTC, MFSK-6

12200 kHz, 03-07, 1323 UTC, MFSK-6

16320 kHz, 03-07, 1329 UTC, MFSK-6

16320 kHz, 03-07, 1335 UTC, MFSK-6

14720 kHz, 03-07, 1344 UTC, MFSK-6

13401 kHz, 07-07, 0835 UTC MFSK-6

11156 kHz, 10-07, 0631 UTC Serdolik v2

11156 kHz, 10-07, 0631 UTC Serdolik v2

11156 kHz, 10-07, 0631 UTC Serdolik v2

11156 kHz, 10-07, 0631 UTC Serdolik v2

17534 kHz, 10-07, 0631 UTC Serdolik v2

MFA Moscow clg 215346: Russian Consulate General Mumbai

MFA Moscow clg 215346: Russian Consulate General Mumbai

MFA Moscow clg 625413: Russian embassy Tel Aviv

MFA Moscow clg 241563: Russian Consulate General Karachi

MFA Moscow clg 241563: Russian Consulate General Karachi

MFA Moscow clg 241563: Russian Consulate General Karachi

MFA Moscow clg 241563: Russian Consulate General Karachi

MFA Moscow clg 154263: Russian embassy Rome

Russian diplo. Selcal

Russian diplo. Selcal

Russian diplo. Selcal

Russian diplo. Selcal

Russian diplo. Selcal

13430 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
11156 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
17534 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
13430 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
11156 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
17534 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
13430 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
13432 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Test
11156 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
17534 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
11156 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
14922 kHz, 10-07, 0736 UTC MFSK-66	Russian diplo
16180 kHz, 10-07, 0738 UTC MFSK-66	Russian diplo
14863 kHz, 10-07, 0740 UTC MFSK-6	MFA Moscow clg 615243: Russian Permanent Mission to the UN Geneva
12177 kHz, 10-07, 0815 UTC MFSK-66	Russian diplo
10653 kHz, 10-07, 0820 UTC MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
17536 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo
11156 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Selcal
17534 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo. Test
17536 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo
17536 kHz, 10-07, 0631 UTC Serdolik v2	Russian diplo
14414 kHz, 12-07, 1029 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
19235 kHz, 13-07, 0848 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
13420 kHz, 14-07, 0818 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
12186 kHz, 15-07, 1538 UTC, MFSK-6	MFA Moscow clg 214356: Russian embassy Amman
16115 kHz, 15-07, 1110 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
13411 kHz, 21-07, 0810 UTC, MFSK-6	MFA Moscow clg 165423: Russian embassy Brussels
16060 kHz, 26-07, 0918 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
17430 kHz, 26-07, 1031 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
17466 kHz, 27-07, 0811 UTC, Serdolik v2	Russian diplo
20690 kHz, 27-07, 0817 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
17466 kHz, 27-07, 0819 UTC, Serdolik v2	Russian diplo. Test
19124 kHz, 27-07, 0820 UTC, Serdolik v2	Russian diplo
19235 kHz, 27-07, 0944 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
10767 kHz, 28-07, 0748 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
16257 kHz, 28-07, 0755 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
20811 kHz, 28-07, 0948 UTC, Serdolik v2	Russian diplo. Selcal
14970 kHz, 28-07, 0951 UTC, Serdolik v2	Russian diplo. Test
20811 kHz, 28-07, 0953 UTC, Serdolik v2	Russian diplo. Selcal
20815 kHz, 28-07, 0957 UTC, Serdolik v2	Russian diplo
14970 kHz, 28-07, 1002 UTC, MFSK-6	MFA Moscow clg Russian Consulate General Chennai
20813 kHz, 28-07, 1008 UTC, MFSK-6	MFA Moscow clg Russian Consulate General Chennai
20815 kHz, 28-07, 1013 UTC, Serdolik v2	Russian diplo

Diplomatic stations: Tunisia

16125 kHz, 08-07, 0545 UTC, Mil-STD-188-141A	STAT155: MFA Tunis clg STAT16: Unid embassy
16125 kHz, 08-07, 0545 UTC, Mil-STD-188-141A	STAT16: Unid Tunisian embassy clg STAT155: MFA Tunis
16125 kHz, 09-07, 0636 UTC, Mil-STD-188-141A	STAT151: MFA Tunis sounding

Diplomatic stations: U.S.A.



SPECIAL PURPOSE RADIO STATIONS

15730 08-08, 0736 UTC Iran International TV jammed by Iran



RUSSIAN MILITARY

Voice transmissions

Russian Military voice traffic

6806 kHz 10 06, Beep channel marker and every now and then a tactical message in Russian.

Morse transmissions

Russian Military morse traffic

13964 kHz, 31-07, 0927 UTC

1DI0 = 69763 10558 51351 92145 32939 76871 17665 58459 31019 =
28 22 31 1153 208 = 108 =
PPPPP PPPPP JMF0K RSChOU OVQMB RSChOU OVQMB RSChOU OVQMB LZFOH
KLG0I AWE0P DSALV RGGBC
1DI0 = DSALV RGGNC DGDFV JChDAP VH0PC BOSAW ORDUD QCVCU EYaPWP K

13964 kHz, 31-07, 1036-1125 UTC

5ZWO 5ZWO 5ZWO 830 22 31 1320 830 = 518 =
DDDDD ODSBD ChFHS SFRRB 0CJMCh SFRRB 0CJMCh CG0NO HJHPC CVUIN
CChHQS GK0JD RGGAP GMGAH RQCJCh ONKOP KHPNQ NFUChI EYaPWP K

RK
RK
RK
RK

ODBDD ChGI0 K
ChGI0 QRV K

ChGI0 716 22 31 1409 716 = 518 =
44190 78708 10089 38330 69710 10504 38746 80126 10920 39162
70541 11336 39578 70957 11752 39093 71373 12168 40409 71789
31020 K

ODBDD ChGI0 QTC K
ChGI0 718 21 31 1422 718 = 518 =
93411 27929 62449 96964 31483 66010 97380 31899 63278 10349
41728 76246 10765 42144 76062 14180 42560 80215 31018 K

ChGI0 718 21 31 1422 718 = 518 = PPPPP ... etc

Russian Navy morse traffic

12692 kHz, 25-07, 0700-0800 UTC, CW. Logged by TJ

RAA: Russian navy HQ clg RIR2: Polyarny Naval Radio.
Callup before QSA?. RIR2 replies QSA3
RAA sets up a QYT9 link with QWH 15406 QSX 10164
Later new QYT9 link setup with QSX 11842 kHz

At 0735 UTC RIR2 called RAA for QYT9 with QSX 12056 kHz.
RAA replies RAA OK QYT9 QWH 12056 K, then started link on 9700 kHz:

RAA DE RIR2 QYT9 QSX 9700
 RAA OK QYT9 QWH 9700 K
 RIR2 OK
 Then straight into new a link setup at 0742 UTC with:
 RIR2 DE RAA
 RAA DE RIR2 QYT9 10164
 RIR2 OK QYT9 QSX 10164 K
 RAA K

Later into additional setups using QYT9 on QSX 6400; QSX 11842; QWH 10368 QSX 10164; QSX 10176

9373 kHz, 27-07, 1030 USB

RBGQ RBGQ DE RMP RMP QSA? K
 RMP QRR3 QDW 6176 K
 RMP RK K

6176 kHz, 27-07, 1040 kHz

RMP DE RBGQ K
 RBGQ SK

9373 kHz, 27-07, 1054 UTC

RBGQ DE RMP K
 RMP QRU1 QSX 8195 QWH 8852K
 RMP R
 RBGQ DE RMP K
 RMP QSU1 SK K
 RMP SK



CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-ARS	Ary Boender via remote rx Saudi Arabia
AB-BER	Ary Boender via remote rx Bermuda
AB-GRC	Ary Boender via remote rx Greece
AB-HNG	Ary Boender via remote rx Hungary
AB-IRL	Ary Boender via remote rx in Ireland
AB-ISL	Ary Boender via remote rx Iceland
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-NOR	Ary Boender via remote rx Norway
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
AB-S	Ary Boender via remote rx Sweden
AJT	Adam
JPL	JPL, NB, Canada (and various remote rx)
Lac	Lazycrypt
Moon	Moonlight (Dave AU)
Pille	Pille
RL-G	Roberto Landolpho via remote rx UK
RO	Rando One, Sweden
Rycat	Rycat
Subilo	Subilo



LOGBOOK

Late M12 logs from April, May and June

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
M12	2-6	0320	13875	Tue	984 984 984 1 7962 152 7962 152 00075 74779 10640 ... 47241 20910 81286 000 000	CW	(PY)
M12	2-6	0340	13475	Tue	984 984 984 1 7962 152 7962 152 00075 74779 10640 ... 47241 20910 81286 000 000	CW	(PY)
M12	4-6	0300	14975	Thu	984 984 984 1 7962 152 7962 152 00075 74779 10640 ... 47241 20910 81286 000 000	CW	(PY)
M12	4-6	0320	13875	Thu	984 984 984 1 7962 152 7962 152 00075 74779 10640 ... 47241 20910 81286 000 000	CW	(PY)
M12	4-6	0340	13475	Thu	984 984 984 1 7962 152 7962 152 00075 74779 10640 ... 47241 20910 81286 000 000	CW	(PY)
M12	9-6	0300	14975	Tue	984 984 984 000	CW	(PY)
M12	9-6	0320	13875	Tue	984 984 984 000	CW	(PY)
M12	9-6	0340	13475	Tue	984 984 984 000	CW	(PY)
M12	11-6	0300	14975	Thu	984 984 984 000	CW	(PY)
M12	11-6	0320	13875	Thu	984 984 984 000	CW	(PY)
M12	11-6	0340	13475	Thu	984 984 984 000	CW	(PY)
M12	16-6	0300	14975	Tue	984 984 984 1 395 93 8395 93 80630 16611 39479 ... 18464 _0436 62890 000 000	CW	(PY)
M12	16-6	0320	13875	Tue	984 984 984 1 395 93 8395 93 80630 16611 39479 ... 18464 _0436 62890 000 000	CW	(PY)
M12	16-6	0340	13475	Tue	984 984 984 1 395 93 8395 93 80630 16611 39479 ... 18464 _0436 62890 000 000	CW	(PY)
M12	18-6	0300	14975	Thu	984 984 984 1 395 93 8395 93 80630 16611 39479 ... 18464 _0436 62890 000 000	CW	(PY)
M12	18-6	0320	13875	Thu	984 984 984 1 395 93 8395 93 80630 16611 39479 ... 18464 _0436 62890 000 000	CW	(PY)
M12	18-6	0340	13475	Thu	984 984 984 1 395 93 8395 93 80630 16611 39479 ... 18464 _0436 62890 000 000	CW	(PY)
M12	29-5	0800	13961	Fri	925 925 925 1 3790 59 3790 59 39485 54358 32575 ... 15159 84594 650815 000 000	CW	(PY)
M12	29-5	0820	12201	Fri	925 925 925 1 3790 59 3790 59 39485 54358 32575 ... 15159 84594 650815 000 000	CW	(PY)
M12	29-5	0840	10597	Fri	925 925 925 1 3790 59 3790 59 39485 54358 32575 ... 15159 84594 650815 000 000	CW	(PY)
M12	26-4	1900	13409	Sun	No transmission	CW	(PY)
M12	26-4	1920	12195	Sun	No transmission	CW	(PY)
M12	26-4	1940	11526	Sun	No transmission	CW	(PY)
M12	27-4	1900	13409	Mon	No transmission	CW	(PY)
M12	27-4	1920	12195	Mon	No transmission	CW	(PY)
M12	27-4	1940	11526	Mon	No transmission	CW	(PY)
M12	3-5	1900	13409	Sun	Message	CW	(FD)
M12	3-5	1920	12195	Sun	Message	CW	(FD)

M12	3-5	1940	11526	Sun	Message	CW	(FD)
M12	4-5	1900	13409	Mon	Message	CW	(FD)
M12	4-5	1920	12195	Mon	Message	CW	(FD)
M12	4-5	1940	11526	Mon	Message	CW	(FD)
M12	10-5	1900	13409	Sun	397 397 397 1 6178 199 6178 199 34764 ...	CW	(PY)
M12	10-5	1920	12195	Sun	397 397 397 1 6178 199 6178 199 34764 ...	CW	(PY)
M12	10-5	1940	11526	Sun	397 397 397 1 6178 199 6178 199 34764 ...	CW	(PY)
M12	11-5	1900	13409	Mon	397 397 397 1 4605 192 4605 192 61263 ...	CW	(PY)
M12	11-5	1920	12195	Mon	397 397 397 1 4605 192 4605 192 61263 ...	CW	(PY)
M12	11-5	1940	11526	Mon	397 397 397 1 4605 192 4605 192 61263 ...	CW	(PY)
M12	17-5	1900	13409	Sun	397 397 397 1 4605 192 4605 192 61263 ...	CW	(PY)
M12	17-5	1920	12195	Sun	397 397 397 1 4605 192 4605 192 61263 ...	CW	(PY)
M12	17-5	1940	11526	Sun	397 397 397 1 4605 192 4605 192 61263 ...	CW	(PY)
M12	18-5	1900	13409	Mon	397 397 397 1 7295 190 7295 190 82765 ...	CW	(PY)
M12	18-5	1920	12195	Mon	397 397 397 1 7295 190 7295 190 82765 ...	CW	(PY)
M12	18-5	1940	11526	Mon	397 397 397 1 7295 190 7295 190 82765 ...	CW	(PY)
M12	24-6	1900	13409	Wed	397 397 397 1 7295 190 7295 190 82765 ...	CW	(PY)
M12	24-6	1920	12195	Wed	397 397 397 1 7295 190 7295 190 82765 ...	CW	(PY)
M12	24-6	1940	11526	Wed	397 397 397 1 7295 190 7295 190 82765 ...	CW	(PY)
M12	28-6	0300	16272	Tue	299 299 299 1 3404 63 3404 63 ...	CW	(PY)
M12	2-6	0300	14975	Tue	984 984 984 1 7962 152 7962 152 00075 74779 10640 ... 47241 20910 81286 000 000	CW	(PY)
M12	1-6	0840	12194	Mon	341 341 341 1 7530 89 7530 89 08312 75374 90659 ... 94704 48554 50682 000 000	CW	(PY)
M12	5-6	0800	14382	Fri	341 341 341 1 7530 89 7530 89 08312 75374 90659 ... 94704 48554 50682 000 000	CW	(PY)
M12	5-6	0820	13423	Fri	341 341 341 1 7530 89 7530 89 08312 75374 90659 ... 94704 48554 50682 000 000	CW	(PY)
M12	5-6	0840	12194	Fri	341 341 341 1 7530 89 7530 89 08312 75374 90659 ... 94704 48554 50682 000 000	CW	(PY)
M12	8-6	0800	14382	Mon	341 341 341 1 2323 65 2325 65 56191 00668 04390 ... 19215 82264 51893 000 000	CW	(PY)
M12	12-6	0800	14382	Fri	341 341 341 1 2323 65 2325 65 56191 00668 04390 ... 19215 82264 51893 000 000	CW	(PY)
M12	12-6	0820	13423	Fri	341 341 341 1 2323 65 2325 65 56191 00668 04390 ... 19215 82264 51893 000 000	CW	(PY)
M12	12-6	0840	12194	Fri	341 341 341 1 2323 65 2325 65 56191 00668 04390 ... 19215 82264 51893 000 000	CW	(PY)
M12	15-6	0800	14382	Mon	341 341 341 1 7136 113 7136 113 44660 34902 07310 ... 09165 78771 36250 000 000	CW	(PY)
M12	15-6	0820	13423	Mon	341 341 341 1 7136 113 7136 113 44660 34902 07310 ... 09165 78771 36250 000 000	CW	(PY)
M12	19-6	0800	14382	Fri	341 341 341 1 7136 113 7136 113 44660 34902 07310 ... 09165 78771 36250 000 000	CW	(PY)
M12	19-6	0820	13423	Fri	341 341 341 1 7136 113 7136 113 44660 34902 07310 ... 09165 78771 36250 000 000	CW	(PY)
M12	19-6	0840	12194	Fri	341 341 341 1 7136 113 7136 113 44660 34902 07310 ... 09165 78771 36250 000 000	CW	(PY)
M12	29-5	2100	17458	Fri	428 428 428 1 9446 84 9446 84 31256 43301 18155 ... 23916 04322 88917 000 000	CW	(PY)
M12	29-5	2120	16234	Fri	428 428 428 1 9446 84 9446 84 31256 43301 18155 ... 23916 04322 88917 000 000	CW	(PY)
M12	29-5	2140	15814	Fri	428 428 428 1 9446 84 9446 84 31256 43301 18155 ... 23916 04322 88917 000 000	CW	(PY)
M12	30-5	2100	17458	Sat	428 428 428 1 9446 84 9446 84 31256 43301 18155 ... 23916 04322 88917 000 000	CW	(PY)
M12	30-5	2120	16234	Sat	428 428 428 1 9446 84 9446 84 31256 43301 18155 ... 23916 04322 88917 000 000	CW	(PY)
M12	30-5	2140	15814	Sat	428 428 428 1 9446 84 9446 84 31256 43301 18155 ... 23916 04322 88917 000 000	CW	(PY)
M12	5-6	2100	17421	Fri	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	5-6	2120	16141	Fri	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)

M12	5-6	2140	15928	Fri	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	6-6	2100	17421	Sat	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	6-6	2120	16141	Sat	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	6-6	2140	15928	Sat	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	12-6	2100	17421	Fri	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	12-6	2120	16141	Fri	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	12-6	2140	15928	Fri	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	13-6	2100	17421	Sat	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	13-6	2120	16141	Sat	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	13-6	2140	15928	Sat	419 419 419 1 2893 161 2893 161 51104 26459 43943 ... 69077 20167 15397 000 000	CW	(PY)
M12	19-6	2100	17421	Fri	419 419 419 1 7495 147 7495 147 52393 66714 44724 ... 49212 34309 36403 000 000	CW	(PY)
M12	19-6	2120	16141	Fri	419 419 419 1 7495 147 7495 147 52393 66714 44724 ... 49212 34309 36403 000 000	CW	(PY)
M12	19-6	2140	15928	Fri	419 419 419 1 7495 147 7495 147 52393 66714 44724 ... 49212 34309 36403 000 000	CW	(PY)
M12	20-6	2140	15928	Sat	419 419 419 1 7495 147 7495 147 52393 66714 44724 ... 49212 34309 36403 000 000	CW	(PY)
M12	18-6	1900	11564	Thu	258 258 258 1 3431 261 3431 261 98200 96809 22010 ... 39327 65_75 33192 000 000	CW	(PY)
M12	18-6	1920	10487	Thu	258 258 258 1 3431 261 3431 261 98200 96809 22010 ... 39327 65_75 33192 000 000	CW	(PY)
M12	20-6	1900	11564	Sat	258 258 258 1 3431 261 3431 261 98200 96809 22010 ... 39327 65_75 33192 000 000	CW	(PY)
M12	20-6	1920	10487	Sat	258 258 258 1 3431 261 3431 261 98200 96809 22010 ... 39327 65_75 33192 000 000	CW	(PY)
M12	31-5	1900	13409	Sun	397 397 397 1 4208 195 4308 195 65442 61282 59516 ... 37235 85919 12476 000 000	CW	(PY)
M12	31-5	1920	12195	Sun	397 397 397 1 4208 195 4308 195 65442 61282 59516 ... 37235 85919 12476 000 000	CW	(PY)
M12	31-5	1940	11526	Sun	397 397 397 1 4208 195 4308 195 65442 61282 59516 ... 37235 85919 12476 000 000	CW	(PY)
M12	1-6	1900	13409	Mon	397 397 397 1 8458 160 8458 160 20104 27675 06489 ... 53859 58754 81214 000 000	CW	(PY)
M12	1-6	1920	12195	Mon	397 397 397 1 8458 160 8458 160 20104 27675 06489 ... 53859 58754 81214 000 000	CW	(PY)
M12	1-6	1940	11526	Mon	397 397 397 1 8458 160 8458 160 20104 27675 06489 ... 53859 58754 81214 000 000	CW	(PY)

July logs

Code	Date	UTC	Freq	dDy	Details	Mode	Contributor
BUL	15-7	0832	13974	Sun	Bulgarian diplo wkg 13962 kHz	RFSM-8000	(AB)
BUL	15-7	0832	13962	Sun	Bulgarian diplo wkg 13974 kHz	RFSM-8000	(AB)
E07	2-7	1000	19235	Mon	234 234 234 1 6921 109 6921 109 54973 80338 95908 ... 26376 98131 57805 000 000	USB	(AB-ISL/Lac)
E07	2-7	1020	18368	Mon	234 234 234 1 6921 109 6921 109 54973 80338 95908 ... 26376 98131 57805 000 000	USB	(AB-ISL/Lac)
E07	2-7	1040	17421	Mon	234 234 234 1 6921 109 6921 109 54973 80338 95908 ... 26376 98131 57805 000 000	USB	(AB/Lac)
E07	3-7	1500	16332	Thu	231 231 231 000	USB	(AB/Lac)
E07	3-7	1520	18332	Thu	231 231 231 000	USB	(AB/Lac)
E07	4-7	1000	19235	Fri	234 234 234 1 6921 109 6921 109 54973 80338 95908 ... 26376 98131 57805 000 000	USB	(AB-ISL)
E07	4-7	1020	18368	Fri	234 234 234 1 6921 109 6921 109 54973 80338 95908 ... 26376 98131 57805 000 000	USB	(AB)
E07	4-7	1040	17421	Fri	234 234 234 1 6921 109 6921 109 54973 80338 95908 ... 26376 98131 57805 000 000	USB	(AB)
E07	7-7	1500	16332	Mon	231 231 231 1 979 122 979 122 30996 17150 81280 ... 07303 42842 44086 000 000	USB	(AB/Lac)
E07	7-7	1520	18332	Mon	231 231 231 1 979 122 979 122 30996 17150 81280 ... 07303 42842 44086 000 000	USB	(AB/Lac)
E07	7-7	1540	19132	Mon	231 231 231 1 979 122 979 122 30996 17150 81280 ... 07303 42842 44086 000 000	USB	(AB/Lac)
E07	9-7	1000	19235	Mon	234 234 234 000	USB	(AB-ISL)

E07	9-7	1020	18368	Mon	234 234 234 000	USB	(AB-ISL)
E07	10-7	1500	16332	Thu	231 231 231 1 979 122 979 122 30996 17150 81280 ... 07303 42842 44086 000 000	USB	(AB)
E07	10-7	1520	18332	Thu	231 231 231 1 979 122 979 122 30996 17150 81280 ... 07303 42842 44086 000 000	USB	(AB)
E07	10-7	1540	19132	Thu	231 231 231 1 979 122 979 122 30996 17150 81280 ... 07303 42842 44086 000 000	USB	(AB)
E07	11-7	1000	19235	Fri	234 234 234 000	USB	(AB-ISL)
E07	11-7	1020	18368	Fri	234 234 234 000	USB	(AB)
E07	14-7	1500	16332	Mon	231 231 231 000	USB	(AB/Lac)
E07	14-7	1520	18332	Mon	231 231 231 000	USB	(AB/Lac)
E07	16-7	1000	19235	Mon	234 234 234 1 1144 181 1144 181 21372 16681 03525 ... 90637 89951 10187 000 000	USB	(AB/Lac)
E07	16-7	1025	18368	Mon	234 234 234 1 1144 181 1144 181 21372 16681 03525 ... 90637 89951 10187 000 000 Restart after group 101	USB	(AB/Lac)
E07	16-7	1053	17421	Mon	234 234 234 1 1144 181 1144 181 21372 16681 03525 ... 90637 89951 10187 000 000	USB	(AB/Lac)
E07	17-7	1500	16332	Thu	231 231 231 000	USB	(AB/Lac)
E07	17-7	1520	18332	Thu	231 231 231 000	USB	(AB/Lac)
E07	18-7	1000	19235	Fri	234 234 234 1 1144 181 1144 181 21372 16681 03525 ... 90637 89951 10187 000 000	USB	(AB)
E07	18-7	1020	18368	Fri	234 234 234 1 1144 181 1144 181 21372 16681 03525 ... 90637 89951 10187 000 000	USB	(AB)
E07	18-7	1040	17421	Fri	234 234 234 1 1144 181 1144 181 21372 16681 03525 ... 90637 89951 10187 000 000	USB	(AB)
E07	21-7	1500	16332	Mon	231 231 231 1 981 190 981 190 54692 30115 67156 ... 47729 79025 42622 000 000	USB	(AB/Lac)
E07	21-7	1520	18332	Mon	231 231 231 1 981 190 981 190 54692 30115 67156 ... 47729 79025 42622 000 000	USB	(AB/Lac)
E07	21-7	1540	19132	Mon	231 231 231 1 981 190 981 190 54692 30115 67156 ... 47729 79025 42622 000 000	USB	(AB/Lac)
E07	23-7	1000	19235	Mon	234 234 234 000	USB	(AB/Lac)
E07	23-7	1020	18368	Mon	234 234 234 000	USB	(AB/Lac)
E07	24-7	1500	16332	Thu	231 231 231 1 981 190 981 190 54692 30115 67156 ... 47729 79025 42622 000 000	USB	(AB)
E07	24-7	1520	18332	Thu	231 231 231 1 981 190 981 190 54692 30115 67156 ... 47729 79025 42622 000 000	USB	(AB)
E07	24-7	1540	19132	Thu	231 231 231 1 981 190 981 190 54692 30115 67156 ... 47729 79025 42622 000 000	USB	(AB)
E07	25-7	1000	19235	Fri	234 234 234 000	USB	(AB)
E07	25-7	1020	18368	Fri	234 234 234 000	USB	(AB)
E07	28-7	1500	16332	Mon	231 231 231 000	USB	(AB/Lac)
E07	28-7	1520	18332	Mon	231 231 231 000	USB	(AB/Lac)
E07	30-7	1000	19235	Mon	234 234 234 1 1091 176 1091 176 47273 89056 18752 ... 33586 49281 33596	USB	(AB/Lac)
E07	30-7	1020	18368	Mon	234 234 234 1 1091 176 1091 176 47273 89056 18752 ... 33586 49281 33596	USB	(AB/Lac)
E07	30-7	1040	17421	Mon	234 234 234 1 1091 176 1091 176 47273 89056 18752 ... 33586 49281 33596	USB	(AB/Lac)
E07	31-7	1500	16332	Thu	231 231 231 000	USB	(AB/Lac)
E07	31-7	1520	18332	Thu	231 231 231 000	USB	(AB/Lac)
E11	1-7	0600	21906	Sun	942/00 Out	USB	(AB/Lac)
E11	1-7	0645	10508	Sun	413/00 Out	USB	(AB/Lac)
E11	1-7	0715	15915	Sun	752/00 Out	USB	(AB/Lac)
E11	1-7	0745	15720	Sun	340/00 Out	USB	(AB/Lac)
E11	1-7	0845	12815	Sun	718/00 Out	USB	(AB/Lac)
E11	1-7	0900	11116	Sun	535/00 Out	USB	(AB/Lac)
E11	1-7	0930	6923	Sun	279/00 Out	USB	(AB/Lac)
E11	1-7	1045	10210	Sun	694/00 Out	USB	(AB/Lac)

E11	1-7	1205	8274	Sun	464/00 Out	UAB	(AB/Lac)
E11	1-7	1610	4387	Sun	392/00 out	USB	(AB/Lac)
E11	1-7	1715	7863	Sun	974/00 Out	USB	(AB/Lac)
E11	2-7	0645	11092	Mon	517/00 Out	USB	(AB/Lac)
E11	2-7	0720	7984	Mon	432/00 Out	USB	(AB/Lac)
E11	2-7	0845	19184	Mon	155/00 Out	USB	(AB/Lac)
E11	2-7	0930	6923	Mon	271/00 Out	USB	(AB/Lac)
E11	2-7	1530	10356	Mon	267/00 Out	USB	(AB/Lac)
E11	2-7	1645	14575	Mon	338/00 Out	USB	(AB/Lac)
E11	2-7	1900	7600	Mon	647/00 Out	USB	(AB/Lac)
E11	2-7	2000	5409	Mon	521/00 Out	USB	(AB/Lac)
E11	3-7	0600	9150	Thu	355/00 Out	USB	(AB)
E11	3-7	0700	8680	Thu	574/00 Out	USB	(AB)
E11	3-7	0715	10508	Thu	639/00 Out	USB	(AB)
E11	3-7	0720	7984	Thu	432/00 Out	USB	(AB)
E11	3-7	0830	16335	Thu	185/00 Out	USB	(AB/Lac)
E11	3-7	1020	15720	Thu	346/00 Out	USB	(AB/Lac)
E11	3-7	1715	7863	Thu	976/00 Out	USB	(AB/Lac)
E11	3-7	1815	12229	Thu	922/00 Out	USB	(AB)
E11	3-7	1910	9610	Thu	613/00 Out	USB	(AB)
E11	4-7	1610	4783	Fri	396/00 Out	USB	(AB)
E11	5-7	0600	9150	Sat	352/00 Out	USB	(AB)
E11	5-7	1605	5231	Sat	236/00 Out	USB	(AB)
E11	5-7	1815	12229	Sat	924/00 Out	USB	(AB)
E11	5-7	1910	9610	Sat	617/00 Out	USB	(AB)
E11	5-7	2000	5402	Sat	520/00 Out	USB	(AB)
E11	6-7	0645	10508	Sun	414/00 Out	USB	(AB/Lac)
E11	6-7	0715	15825	Sun	750/00 Out	USB	(AB)
E11	6-7	0900	11116	Sun	530/00 Out	USB	(AB/Lac)
E11	6-7	1300	5737	Sun	310/00 Out	USB	(AB)
E11	6-7	1900	7600	Sun	646/00 Out	USB	(AB)
E11	7-7	0700	8680	Mon	571/00 Out	USB	(AB/Lac)
E11	7-7	0715	10508	Mon	637/00 Out	USB	(AB/Lac)
E11	7-7	0745	20640	Mon	227/00 Out	USB	(AB/Lac)
E11	7-7	0930	17378	Mon	134/00 Out	USB	(AB/Lac)
E11	7-7	1000	12153	Mon	307/00 Out	USB	(AB)
E11	7-7	1205	8274	Mon	463/00 Out	USB	(AB/Lac)
E11	7-7	1605	5231	Mon	232/00 Out	USB	(AB/Lac)
E11	7-7	1645	14575	Mon	338/00 Out	USB	(AB/Lac)
E11	8-7	0645	10508	Sun	415/00 Out	USB	(AB/Lac)
E11	8-7	0715	15825	Sun	751/00 Out	USB	(AB/Lac)
E11	8-7	0745	15720	Sun	343/00 Out	USB	(AB/Lac)

E11	8-7	0820	17378	Sun	131/00 Out	USB	(AB/Lac)
E11	8-7	0900	11116	Sun	534/00 Out	USB	(AB/Lac)
E11	8-7	0930	6923	Sun	270/00 Out	USB	(AB/Lac)
E11	8-7	1205	8274	Sun	461/00 Out	UAB	(AB)
E11	8-7	1610	4387	Sun	399/00 out	USB	(AB/Lac)
E11	9-7	0720	7984	Mon	430/00 Out	USB	(AB/Lac)
E11	9-7	0745	20640	Mon	228/00 Out	USB	(AB/Lac)
E11	9-7	0930	6923	Mon	276/00 Out	USB	(AB-POL)
E11	9-7	1300	5737	Mon	314/00 Out	USB	(AB-POL/Subilo)
E11	9-7	1645	14575	Mon	337/00 Out	USB	(AB)
E11	9-7	1900	7600	Mon	649/00 Out	USB	(AB)
E11	9-7	2000	5409	Mon	521/00 Out	USB	(AB)
E11	10-7	0600	9150	Thu	354/00 Out	USB	(AB)
E11	10-7	0700	8680	Thu	575/00 Out	USB	(AB)
E11	10-7	0715	10508	Thu	635/00 Out	USB	(AB)
E11	10-7	0720	7984	Thu	432/00 Out	USB	(AB)
E11	10-7	1000	12153	Thu	304/00 Out	USB	(AB/Lac)
E11	10-7	1020	15720	Thu	346/00 Out	USB	(AB/Lac)
E11	10-7	1815	12229	Thu	926/00 Out	USB	(AB)
E11	10-7	1910	9610	Thu	614/00 Out	USB	(AB)
E11	11-7	0700	7377	Fri	498/00 Out	USB	(AB/Lac)
E11	11-7	1610	4783	Fri	399/00 Out	USB	(AB)
E11	11-7	1645	5082	Fri	364/00 Out	USB	(AB)
E11	12-7	0600	9150	Sat	352/00 Out	USB	(AB/Lac)
E11	12-7	0700	7377	Sat	491/00 Out	USB	(AB/Lac)
E11	12-7	1605	5231	Sat	233/00 Out	USB	(AB)
E11	12-7	1645	5082	Sat	363/00 Out	USB	(AB)
E11	12-7	1815	12229	Sat	925/00 Out	USB	(AB)
E11	12-7	1910	9610	Sat	618/00 Out	USB	(AB)
E11	12-7	2000	5402	Sat	522/00 Out	USB	(AB/RL-G)
E11	13-7	0600	21906	Sun	940/00 Out	USB	(AB/Lac)
E11	13-7	0715	15825	Sun	753/00 Out	USB	(AB/Lac)
E11	13-7	0745	9610	Sun	267/00 Out	USB	(AB/Lac)
E11	13-7	0830	16335	Sun	189/00 Out	USB	(AB/Lac)
E11	13-7	0845	12815	Sun	710/00 Out	USB	(AB/Lac)
E11	13-7	1045	10210	Sun	696/00 Out	USB	(AB/Lac)
E11	13-7	1300	5737	Sun	316/00 Out	USB	(AB/Lac)
E11	13-7	1745	14410	Sun	240/00 Out	USB	(AB/Lac)
E11	13-7	1900	7600	Sun	644/00 Out	USB	(AB/Lac)
E11	14-7	0645	11092	Mon	510/00 Out	USB	(AB/Lac)
E11	14-7	0700	8680	Mon	571/00 Out	USB	(AB/Lac)
E11	14-7	0745	20640	Mon	225/00 Out	USB	(AB/Lac)

E11	14-7	0845	19184	Mon	156/00 Out	USB	(AB/Lac)
E11	14-7	0930	17378	Mon	135/00 Out	USB	(AB/Lac)
E11	14-7	1205	8274	Mon	461/00 Out	USB	(AB/Lac)
E11	14-7	1430	12984	Mon	915/00 Out	USB	(AB/Lac)
E11	14-7	1605	5231	Mon	235/00 Out	USB	(AB/Lac)
E11	15-7	0600	21906	Sun	942/00 Out	USB	(Lac)
E11	15-7	0715	15825	Sun	759/00 Out	USB	(AB)
E11	15-7	0745	15720	Sun	348/00 Out	USB	(AB/Lac)
E11	15-7	0820	17378	Sun	134/00 Out	USB	(AB/Lac)
E11	15-7	0845	12815	Sun	713/00 Out	USB	(AB/Lac)
E11	15-7	0930	6923	Sun	275/00 Out	USB	(AB/Lac)
E11	15-7	1045	10210	Sun	691/00 Out	USB	(AB/Lac)
E11	15-7	1205	8274	Sun	464/00 Out	UAB	(AB/Lac)
E11	15-7	1715	7863	Sun	970/00 Out	USB	(AB/Lac)
E11	16-7	0645	11092	Mon	515/00 Out	USB	(AB/Lac)
E11	16-7	0720	7984	Mon	430/00 Out	USB	(AB/Lac)
E11	16-7	0745	20640	Mon	224/00 Out	USB	(AB-POL)
E11	16-7	0930	6923	Mon	278/00 Out	USB	(AB/Lac)
E11	16-7	1300	5737	Mon	319/00 Out	USB	(AB/Lac)
E11	16-7	1530	10356	Mon	261/00 Out	USB	(AB/Lac)
E11	16-7	1900	7600	Mon	643/00 Out	USB	(AB/Lac)
E11	16-7	2000	5409	Mon	525/00 Out	USB	(AB/Lac)
E11	17-7	0700	8680	Thu	570/00 Out	USB	(AB/Lac)
E11	17-7	0720	7984	Thu	431/00 Out	USB	(AB/Lac)
E11	17-7	0830	16335	Thu	180/00 Out	USB	(AB/Lac)
E11	17-7	1020	15720	Thu	346/00 Out	USB	(AB/Lac)
E11	17-7	1715	7863	Thu	970/00 Out	USB	(AB/Lac)
E11	18-7	0700	7377	Fri	496/00 Out	USB	(AB/Lac)
E11	18-7	1430	12984	Fri	912/00 Out	USB	(AB)
E11	18-7	1645	5082	Fri	368/00 Out	USB	(AB)
E11	19-7	0700	7377	Sat	No transmission	USB	(AB/Lac)
E11	19-7	1605	5231	Sat	232/00 Out	USB	(AB/Lac)
E11	19-7	1645	5082	Sat	366/00 Out	USB	(AB/Lac)
E11	19-7	1745	14410	Sat	248/00 Out	USB	(AB/Lac)
E11	19-7	1910	9610	Sat	611/00 Out	USB	(AB-POL)
E11	19-7	2000	5402	Sat	521/00 Out	USB	(AB/Lac)
E11	20-7	0600	21906	Sun	949/00 Out	USB	(AB/Lac)
E11	20-7	0645	9339	Sun	413/00 Out	USB	(AB/Lac)
E11	20-7	0715	15825	Sun	755/00 Out	USB	(AB/Lac)
E11	20-7	0745	9610	Sun	264/00 Out	USB	(AB/Lac)
E11	20-7	0830	16335	Sun	189/00 Out	USB	(AB/Lac)
E11	20-7	0845	12815	Sun	713/00 Out	USB	(AB/Lac)

E11	20-7	0900	11116	Sun	533/00 Out	USB	(AB/Lac)
E11	20-7	1045	10210	Sun	691/00 Out	USB	(AB/Lac)
E11	20-7	1300	5737	Sun	316/00 Out	USB	(AB/Lac)
E11	20-7	1745	14410	Sun	249/00 Out	USB	(AB/Lac)
E11	20-7	1900	7600	Sun	648/00 Out	USB	(AB/Lac)
E11	21-7	0645	11092	Mon	519/00 Out	USB	(AB/Lac)
E11	21-7	0700	8680	Mon	577/00 Out	USB	(AB/Lac)
E11	21-7	0715	10508	Mon	637/00 Out	USB	(AB/Lac)
E11	21-7	0745	20640	Mon	225/00 Out	USB	(AB/Lac)
E11	21-7	0845	19184	Mon	159/00 Out	USB	(AB/Lac)
E11	21-7	1000	12153	Mon	304/00 Out	USB	(AB/Lac)
E11	21-7	1430	12984	Mon	910/00 Out	USB	(AB/Lac)
E11	21-7	1645	14575	Mon	332/00 Out	USB	(AB-IRL/Lac)
E11	22-7	0600	21906	Sun	949/00 Out	USB	(AB-POL/Lac)
E11	22-7	0645	9339	Sun	415/00 Out	USB	(AB/Lac)
E11	22-7	0715	15825	Sun	751/00 Out	USB	(AB-POL/Lac)
E11	22-7	0845	12815	Sun	710/00 Out	USB	(AB/Lac)
E11	22-7	0900	11116	Sun	532/00 Out	USB	(AB/Lac)
E11	22-7	0930	6923	Sun	271/00 Out	USB	(AB/Lac)
E11	22-7	1045	10210	Sun	698/00 Out	USB	(AB/Lac)
E11	22-7	1610	4387	Sun	392/00 Out	USB	(AB/Lac)
E11	22-7	1715	7863	Sun	978/00 Out	USB	(AB/Lac)
E11	23-7	0645	11092	Mon	519/00 Out	USB	(AB/Lac)
E11	23-7	0745	20640	Mon	228/00 Out	USB	(AB-POL)
E11	23-7	0845	19184	Mon	151/00 Out	USB	(AB/Lac)
E11	23-7	0930	6923	Mon	271/00 Out	USB	(AB/Lac)
E11	23-7	1300	5737	Mon	312/00 Out	USB	(AB/Lac)
E11	23-7	1300	5737	Mon	312/00 Out	USB	(AB-POL)
E11	23-7	1530	10356	Mon	261/00 Out	USB	(AB/Lac)
E11	23-7	1645	14575	Mon	332/00 Out	USB	(AB/Lac)
E11	23-7	1900	7600	Mon	648/00 Out	USB	(AB)
E11	24-7	0600	9150	Thu	353/00 Out	USB	(AB/Lac)
E11	24-7	0700	8680	Thu	No transmission	USB	(AB/Lac)
E11	24-7	0715	10508	Thu	630/00 Out	USB	(AB/Lac)
E11	24-7	0720	7984	Thu	431/00 Out	USB	(AB)
E11	24-7	0830	16335	Thu	185/00 Out	USB	(AB/Lac)
E11	24-7	1000	12153	Thu	304/00 Out	USB	(AB)
E11	24-7	1715	7863	Thu	970/00 Out	USB	(AB)
E11	24-7	1815	12229	Thu	920/00 Out	USB	(AB)
E11	24-7	1910	9610	Thu	610/00 Out	USB	(AB)
E11	25-7	0700	7377	Fri	496/00 Out	USB	(AB/Lac)
E11	25-7	1430	12984	Fri	915/00 Out	USB	(AB)

E11	25-7	1610	4783	Fri	394/00 Out	USB	(AB)
E11	25-7	1645	5082	Fri	368/00 Out	USB	(AB)
E11	26-7	0600	9150	Sat	355/00 Out	USB	(AB)
E11	26-7	0700	7377	Sat	498/00 Out	USB	(AB/Lac)
E11	26-7	1645	5082	Sat	360/00 Out	USB	(AB)
E11	26-7	1745	14410	Sat	245/00 Out	USB	(AB)
E11	26-7	1815	12229	Sat	927/00 Out	USB	(AB)
E11	27-7	0600	21906	Sun	949/00 Out	USB	(AB-POL)
E11	27-7	0645	9339	Sun	418/00 Out	USB	(AB/Lac)
E11	27-7	0745	9610	Sun	261/00 Out	USB	(AB/Lac)
E11	27-7	0830	16335	Sun	184/00 Out	USB	(AB/Lac)
E11	27-7	0845	12815	Sun	711/00 Out	USB	(AB/Lac)
E11	27-7	0900	11116	Sun	530/00 Out	USB	(AB/Lac)
E11	27-7	1045	10210	Sun	698/00 Out	USB	(AB)
E11	27-7	1745	14410	Sun	249/00 Out	USB	(AB/Lac)
E11	28-7	0645	11092	Mon	517/00 Out	USB	(AB/Lac)
E11	28-7	0715	10508	Mon	630/00 Out	USB	(AB/Lac)
E11	28-7	0845	19184	Mon	152/00 Out	USB	(AB/Lac)
E11	28-7	0930	17378	Mon	132/00 Out	USB	(AB/Lac)
E11	28-7	1000	12153	Mon	309/00 Out	USB	(AB/Lac)
E11	28-7	1205	8274	Mon	466/00 Out	USB	(AB/Lac)
E11	28-7	1430	12984	Mon	915/00 Out	USB	(AB/Lac)
E11	28-7	1605	5231	Mon	231/00 Out	USB	(AB/Lac)
E11	28-7	1645	14575	Mon	337/00 Out	USB	(AB/Lac)
E11	29-7	0600	21906	Sun	949/00 Out	USB	(AB/Lac)
E11	29-7	0645	9339	Sun	410/00 Out	USB	(AB/Lac)
E11	29-7	0745	15720	Sun	343/00 Out	USB	(AB/Lac)
E11	29-7	0820	17378	Sun	132/00 Out	USB	(AB/Lac)
E11	29-7	0845	12815	Sun	715/00 Out	USB	(AB/Lac)
E11	29-7	0900	11116	Sun	536/00 Out	USB	(AB/Lac)
E11	29-7	1045	10210	Sun	693/00 Out	USB	(AB/Lac)
E11	29-7	1205	8274	Sun	466/00 Out	UAB	(AB/Lac)
E11	29-7	1610	4387	Sun	396/00 Out	USB	(AB)
E11	29-7	1715	7863	Sun	978/00 Out	USB	(AB)
E11	30-7	0645	11092	Mon	512/00 Out	USB	(AB)
E11	30-7	0720	7984	Mon	432/00 Out	USB	(AB)
E11	30-7	0845	19184	Mon	154/00 Out	USB	(AB/Lac)
E11	30-7	1530	10356	Mon	262/00 Out	USB	(AB/Lac)
E11	30-7	1645	14575	Mon	338/00 Out	USB	(AB/Lac)
E11	30-7	2000	5409	Mon	525/00 Out	USB	(AB/Lac)
E11	31-7	0600	9150	Thu	359/00 Out	USB	(AB/Lac)
E11	31-7	0715	10508	Thu	637/00 Out	USB	(AB/Lac)

E11	31-7	0720	7984	Thu	439/00 Out	USB	(AB/Lac)
E11	31-7	0830	16335	Thu	189/00 Out	USB	(AB/Lac)
E11	31-7	1000	12153	Thu	307/00 Out	USB	(AB/Lac)
E11	31-7	1020	15720	Thu	344/00 Out	USB	(AB/Lac)
E11	31-7	1715	7863	Thu	974/00 Out	USB	(AB/Lac)
E11	31-7	1815	12229	Thu	929/00 Out	USB	(AB/Lac)
E11	31-7	1910	9610	Thu	616/00 Out	USB	(AB/Lac)
E11a	1-7	0820	17378	Sun	138/34 Attention 56403 88084 61727 ... 31790 82809 48562 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	2-7	0745	20640	Mon	225/32 Attention 34100 08728 15380 ... 60200 67266 02283 Attention (message repeated) Out	USB	(AB/Subilo/Lac)
E11a	2-7	1300	5737	Mon	319/36 Attention 29206 92643 41977 ... 88628 23019 76055 Attention (message repeated) Out	USB	(AB-POL/Subilo/Lac)
E11a	3-7	1000	12153	Thu	304/32 Attention 38180 33956 10415 ... 27028 38847 15730 Attention (message repeated) Out	USB	(AB/Subilo/Lac)
E11a	4-7	0700	7377	Fri	498/39 Attention 95513 81501 17132 ... 11590 51952 94610 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	4-7	1430	12984	Fri	918/38 Attention 37181 27574 05983 ... 29218 09385 48805 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	4-7	1645	5082	Fri	364/40 Attention 17682 12833 91635 ... 79754 88790 05642 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	5-7	0700	7377	Sat	498/39 Attention 95513 81501 17132 ... 11590 51952 94610 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	5-7	1645	5082	Sat	364/40 Attention 17682 12833 91635 ... 79754 88790 05642 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	5-7	1745	14410	Sat	248/40 Attention 03520 14778 11875 ... 46662 82157 78839 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	6-7	0600	21906	Sun	940/34 Attention 72356 38930 04286 ... 36740 31441 89049 Attention (message repeated) out	USB	(AB-POL/Subilo)
E11a	6-7	0745	9610	Sun	267/34 Attention 88143 15801 46284 ... 48852 02485 78314 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	6-7	0830	16335	Sun	182/34 Attention 21708 05115 70123 ... 51366 37787 59591 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	6-7	0845	12815	Sun	716/34 Attention 95364 50617 40358 ... 67517 44315 74891 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	6-7	1045	10210	Sun	690/34 Attention 11388 02941 15842 ... 54428 15825 44494 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	7-7	0645	11092	Mon	519/36 Attention 55607 24319 21009 ... 24418 13867 76443 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	7-7	0845	19184	Mon	150/34 Attention 34265 57485 52178 ... 94587 75097 65684 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	7-7	1430	12984	Mon	912/33 Attention 52100 91338 88631 ... 59910 76096 73798 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	8-7	0600	21906	Sun	Message, first part unreadable 5241 68736 01246 11459 98603 40859 21294 56760 83387 36091 55743 59594 20336 Out	USB	(AB/Subilo)
E11a	8-7	0845	12815	Sun	716/34 Attention 95364 50617 40358 ... 67517 44315 74891 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	8-7	1045	10210	Sun	696/34 Attention 61573 03688 20378 ... 87733 29120 73451 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	8-7	1715	7863	Sun	978/33 Attention 57679 29715 50400 ... 97580 94476 52388 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	9-7	0645	11092	Mon	519/36 Attention 55607 24319 21009 ... 24418 13867 76443 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	9-7	0845	19184	Mon	150/34 Attention 34265 57485 52178 ... 94587 75097 65684 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	9-7	1530	10356	Mon	267/34 Attention 88143 15801 46284 ... 48852 02485 78314 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	10-7	0830	16335	Thu	185/34 Attention 22678 99611 21782 ... 94169 78928 97115 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	10-7	1715	7863	Thu	978/33 Attention 57679 29715 50400 ... 97580 94476 52388 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	11-7	1430	12984	Fri	912/33 Attention 52100 91338 88631 ... 59910 76096 73798 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	12-7	1745	14410	Sat	240/32 Attention 32717 97702 45607 ... 01414 10582 35619 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	13-7	0645	9339	Sun	414/36 Attention 35960 71971 34038 ... 91503 08258 01844 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	13-7	0900	11116	Sun	533/37 Attention 79142 47714 08407 ... 18055 58184 68032 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	14-7	0715	10508	Mon	639/35 Attention 71187 19934 70838 ... 87498 74371 91481 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	14-7	1000	12153	Mon	302/38 Attention 10058 73858 68670 ... 35203 22261 91212 Attention (message repeated) Out	USB	(AB/Lac/Subilo)

E11a	14-7	1645	14575	Mon	335/38 Attention 77253 61628 78033 ... 50813 61742 92998 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	15-7	0600	21906	Sun	Unreadable	USB	(AB/Subilo)
E11a	15-7	0645	9339	Sun	414/36 Attention 35960 71971 34038 ... 91503 08258 01844 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	15-7	0900	11116	Sun	533/37 Attention 79142 47714 08407 ... 18055 58184 68032 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	15-7	1610	4387	Sun	395/36 Attention 13664 88783 67663 ... 83290 97835 00832 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	16-7	1645	14575	Mon	335/38 Attention 77253 61628 78033 ... 50813 61742 92998 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	17-7	0600	9150	Thu	353/35 Attention 22193 93563 05717 ... 21327 93973 41644 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	17-7	0715	10508	Thu	639/35 Attention 71187 19934 70838 ... 87498 74371 91481 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	17-7	1000	12153	Thu	302/38 Attention 10058 73858 68670 ... 35203 22261 91212 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	17-7	1815	12229	Thu	922/37 Attention 42669 91241 17560 ... 11539 98428 71251 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	17-7	1910	9610	Thu	616/30 Attention 11182 12739 35055 ... 43090 05682 60052 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	18-7	1610	4783	Fri	395/36 Attention 13664 88783 67663 ... 83290 97835 00832 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	19-7	0600	9150	Sat	353/35 Attention 22193 93563 05717 ... 21327 93973 41644 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	19-7	1815	12229	Sat	922/37 Attention 42669 91241 17560 ... 11539 98428 71251 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	19-7	1910	9610	Sat	616/30 Attention 11182 12739 35055 ... 43090 05682 60052 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	21-7	0930	17378	Mon	130/35 Attention 29490 53580 11876 ... 86845 86612 76842 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	21-7	1205	8274	Mon	461/32 Attention 38860 77630 66069 ... 03434 21066 38412 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	21-7	1605	5231	Mon	237/37 Attention 34172 43339 75375 ... 43048 25813 12088 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	22-7	0745	15720	Sun	344/34 Attention 62375 73041 90916 ... 03481 15424 67436 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	22-7	0820	17378	Sun	130/35 Attention 29490 53580 11876 ... 86845 86612 76842 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	22-7	1205	8274	Sun	461/32 Attention 38860 77630 66069 ... 03434 21066 38412 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	23-7	0720	7984	Mon	431/38 Attention 92489 08363 11625 ... 98342 17760 14371 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	23-7	2000	5409	Mon	524/32 Attention 50629 15588 29350 ... 10887 92628 42833 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	24-7	1020	15720	Thu	344/34 Attention 62375 73041 90916 ... 03481 15424 67436 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	26-7	1605	5231	Sat	237/37 Attention 34172 43339 75375 ... 43048 25813 12088 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	26-7	2000	5402	Sat	524/32 Attention 50629 15588 29350 ... 10887 92628 42833 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	27-7	0315	16530	Sun	251/38 Attention 15642 63824 03355 ... 13084 64087 69514 Attention (message repeated) Out	USB	(Subilo)
E11a	27-7	0715	15825	Sun	753/38 Attention 43194 77399 61815 ... 40392 96509 03501 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	27-7	1300	5737	Sun	315/32 Attention 60245 65945 06061 ... 26616 58151 22022 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	27-7	1900	7600	Sun	648/34 Attention 78963 58170 88039 ... 28176 72421 70127 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	28-7	0700	8680	Mon	579/35 Attention 81399 52117 62497 ... 36483 75693 86681 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	28-7	0745	20640	Mon	223/37 Attention 76912 21124 81154 ... 39910 00312 49489 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	29-7	0315	16530	Sun	251/38 Attention 15642 63824 03355 ... 13084 64087 69514 Attention (message repeated) Out	USB	(Subilo)
E11a	29-7	0715	15825	Sun	753/38 Attention 43194 77399 61815 ... 40392 96509 03501 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	29-7	0930	6923	Sun	270/35 Attention 64392 19600 38154 ... 99878 28502 58113 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	30-7	0745	20640	Mon	223/37 Attention 76912 21124 81154 ... 39910 00312 49489 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	30-7	0930	6923	Mon	270/35 Attention 64392 19600 38154 ... 99878 28502 58113 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	30-7	1300	5737	Mon	648/34 Attention 78963 58170 88039 ... 28176 72421 70127 Attention (message repeated) Out	USB	(Lac)
E11a	30-7	1900	7600	Mon	648/34 Attention 78963 58170 88039 ... 28176 72421 70127 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	31-7	0700	8680	Thu	579/35 Attention 81399 52117 62497 ... 36483 75693 86681 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
F01	1-7	1015	11141	Sun	Message 77	FSK 200/500	(AB)
F01	1-7	1025	9192	Sun	Message 77	FSK 200/500	(AB)

F01	1-7	1035	7363	Sun	Message 77	FSK 200/500	(AB)
F01	2-7	1015	11141	Mon	Messages 78 and 79	FSK 200/500	(AB)
F01	2-7	1025	9192	Mon	Messages 78 and 79	FSK 200/500	(AB)
F01	2-7	1035	7363	Mon	Messages 78 and 79	FSK 200/500	(AB)
F01	3-7	1015	11141	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	3-7	1025	9192	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	3-7	1035	7363	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	6-7	1015	11141	Sun	Message 80	FSK 200/500	(AB)
F01	6-7	1025	9192	Sun	Message 80	FSK 200/500	(AB)
F01	6-7	1035	7363	Sun	Message 80	FSK 200/500	(AB)
F01	7-7	1015	11141	Mon	Messages 81 and 82	FSK 200/500	(AB)
F01	7-7	1025	9192	Mon	Messages 81 and 82	FSK 200/500	(AB)
F01	7-7	1035	7363	Mon	Messages 81 and 82	FSK 200/500	(AB)
F01	8-7	1015	11141	Sun	Message 83	FSK 200/500	(AB)
F01	8-7	1025	9192	Sun	Message 83	FSK 200/500	(AB)
F01	8-7	1035	7363	Sun	Message 83	FSK 200/500	(AB)
F01	9-7	1015	11141	Mon	Messages 84 and 85	FSK 200/500	(AB)
F01	9-7	1025	9192	Mon	Messages 84 and 85	FSK 200/500	(AB)
F01	9-7	1035	7363	Mon	Messages 84 and 85	FSK 200/500	(AB)
F01	10-7	1015	11141	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	10-7	1025	9192	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	10-7	1035	7363	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	13-7	1015	11141	Sun	Message 86	FSK 200/500	(AB)
F01	13-7	1025	9192	Sun	Message 86	FSK 200/500	(AB)
F01	13-7	1035	7363	Sun	Message 86	FSK 200/500	(AB)
F01	14-7	1015	11141	Mon	Messages 87 and 88	FSK 200/500	(AB)
F01	14-7	1025	9192	Mon	Messages 87 and 88	FSK 200/500	(AB)
F01	14-7	1035	7363	Mon	Messages 87 and 88	FSK 200/500	(AB)
F01	15-7	1015	11141	Sun	Message 89	FSK 200/500	(AB-RUS)
F01	15-7	1025	9192	Sun	Message 89	FSK 200/500	(AB-RUS)
F01	15-7	1035	7363	Sun	Message 89	FSK 200/500	(AB-RUS)
F01	16-7	1015	11141	Mon	Messages 90 and 91	FSK 200/500	(AB)
F01	16-7	1025	9192	Mon	Messages 90 and 91	FSK 200/500	(AB)
F01	16-7	1035	7363	Mon	Messages 90 and 91	FSK 200/500	(AB)
F01	17-7	1015	11141	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	17-7	1025	9192	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	17-7	1035	7363	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	20-7	1015	11141	Sun	Message 92	FSK 200/500	(AB)
F01	20-7	1025	9192	Sun	Message 92	FSK 200/500	(AB)
F01	20-7	1035	7363	Sun	Message 92	FSK 200/500	(AB)
F01	21-7	1015	11141	Mon	Messages 93 and 94	FSK 200/500	(AB)
F01	21-7	1025	9192	Mon	Messages 93 and 94	FSK 200/500	(AB)

F01	21-7	1035	7363	Mon	Messages 93 and 94	FSK 200/500	(AB)
F01	22-7	1015	11141	Sun	Message 95	FSK 200/500	(AB)
F01	22-7	1025	9192	Sun	Message 95	FSK 200/500	(AB)
F01	22-7	1035	7363	Sun	Message 95	FSK 200/500	(AB)
F01	23-7	1015	11141	Mon	Messages 97 and 96	FSK 200/500	(AB)
F01	23-7	1025	9192	Mon	Messages 97 and 96	FSK 200/500	(AB)
F01	23-7	1035	7363	Mon	Messages 97 and 96	FSK 200/500	(AB)
F01	24-7	1015	11141	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	24-7	1025	9192	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	24-7	1035	7363	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	27-7	1015	11141	Sun	Message 98	FSK 200/500	(AB)
F01	27-7	1025	9192	Sun	Message 98	FSK 200/500	(AB)
F01	27-7	1035	7363	Sun	Message 98	FSK 200/500	(AB)
F01	28-7	1015	11141	Mon	Messages 99 and 01	FSK 200/500	(AB)
F01	28-7	1025	9192	Mon	Messages 99 and 01	FSK 200/500	(AB)
F01	28-7	1035	7363	Mon	Messages 99 and 01	FSK 200/500	(AB)
F01	29-7	1015	11141	Sun	Message 02	FSK 200/500	(AB)
F01	29-7	1025	9192	Sun	Message 02	FSK 200/500	(AB)
F01	29-7	1035	7363	Sun	Message 02	FSK 200/500	(AB)
F01	30-7	1015	11141	Mon	Messages 03 and 04	FSK 200/500	(AB)
F01	30-7	1025	9192	Mon	Messages 03 and 04	FSK 200/500	(AB)
F01	30-7	1035	7363	Mon	Messages 03 and 04	FSK 200/500	(AB)
F01	31-7	1015	11141	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	31-7	1025	9192	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F01	31-7	1035	7363	Thu	00000 +++++ +++++	FSK 200/500	(AB)
F03j	1-7	0800	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	0805	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	0915	6304	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	0920	6304	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	1010	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	1015	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0430	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0430	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0435	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0435	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0725	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0730	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0835	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0840	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0915	6304	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	2-7	0920	6304	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0920	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0925	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0930	6923	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0935	6923	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0945	7663	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0950	7663	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0735	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0740	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0810	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0815	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0930	6923	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0935	6923	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	1010	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	1015	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	1030	9371	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	1035	9371	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0635	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0640	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0725	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0730	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0810	11581	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0815	11581	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0835	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0840	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0920	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0925	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0945	7663	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0950	7663	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0530	16132	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0535	16132	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0800	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0805	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0915	6304	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0920	6304	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	1010	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	1015	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0430	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0430	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0435	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0435	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0635	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	9-7	0640	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0725	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0730	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0835	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0840	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0915	6304	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0920	6304	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0920	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0925	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0930	6923	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0935	6923	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0945	7663	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0950	7663	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0735	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0740	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0810	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0815	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0930	6923	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0935	6923	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	1010	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	1015	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	1030	9371	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	1035	9371	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0430	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0435	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0635	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0640	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0725	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0730	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0810	11581	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0815	11581	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0835	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0840	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0920	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0925	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0945	7663	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0950	7663	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0530	16132	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0535	16132	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0800	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	15-7	0805	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0915	6304	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0920	6304	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	1010	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	1015	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0430	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0430	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0435	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0435	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0635	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0640	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0725	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0730	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/RL-G)
F03j	16-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0835	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0840	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0915	6304	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0920	6304	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0810	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0815	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0850	11581	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0855	11581	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0930	6923	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0935	6923	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0945	7663	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0950	7663	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0735	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0740	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0810	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0815	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0930	6923	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0935	6923	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	1010	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	1015	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	1030	9371	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	1035	9371	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0430	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0435	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0635	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0640	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0725	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	21-7	0730	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0810	11581	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0815	11581	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0835	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0840	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0920	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0925	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0945	7663	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0950	7663	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0530	16132	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0535	16132	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0800	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0805	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0915	6304	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0920	6304	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	1010	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	1015	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0430	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0435	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0635	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0640	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0725	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0730	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0835	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0840	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0915	6304	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0920	6304	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0810	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0815	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0850	11581	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0855	11581	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0930	6923	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0935	6923	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0945	7663	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0950	7663	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-7	0735	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-7	0740	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-7	0810	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-7	0815	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-7	0930	6923	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	27-7	0935	6923	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-7	1010	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-7	1015	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-7	1030	9371	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-7	1035	9371	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0430	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0435	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0725	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0730	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0810	11581	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0815	11581	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0835	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0840	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0920	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0925	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0945	7663	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0950	7663	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	0530	16132	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	0535	16132	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	0800	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	0805	18030	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	0915	6304	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	0920	6304	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	1010	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	1015	12984	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0430	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0435	9079	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0635	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0640	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0725	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0730	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0835	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0840	19099	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0915	6304	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0920	6304	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0810	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0815	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0850	11581	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0855	11581	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0930	6923	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	31-7	0935	6923	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0945	7663	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0950	7663	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03l	1-7	0615	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	1-7	0620	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	1-7	0950	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	1-7	0955	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	2-7	1800	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	2-7	1805	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	2-7	1830	6304	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	2-7	1835	6304	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	3-7	0700	7469	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	3-7	0705	7469	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	6-7	0615	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	6-7	0620	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	6-7	0950	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	6-7	0955	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	6-7	1830	6304	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	6-7	1835	6304	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	7-7	0615	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	7-7	0620	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	7-7	1800	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	7-7	1805	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	8-7	0615	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	8-7	0620	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	8-7	0950	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	8-7	0955	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	9-7	0615	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	9-7	0620	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	9-7	0700	7469	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	9-7	0705	7469	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	9-7	1800	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	9-7	1805	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	9-7	1830	6304	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	9-7	1835	6304	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	10-7	0700	7469	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	10-7	0705	7469	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	13-7	0615	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	13-7	0620	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	13-7	0950	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	13-7	0955	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	13-7	1830	6304	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)

F03I	13-7	1835	6304	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-7	0615	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-7	0620	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-7	1800	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-7	1805	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	15-7	0615	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	15-7	0620	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	15-7	0950	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	15-7	0955	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-7	0615	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-7	0620	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-7	0700	7469	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-7	0705	7469	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-7	1800	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-7	1805	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-7	1830	6304	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-7	1835	6304	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	17-7	0700	7469	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	17-7	0705	7469	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-7	0615	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-7	0620	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-7	0950	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-7	0955	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-7	1830	6304	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-7	1835	6304	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-7	0615	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-7	0620	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-7	1800	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-7	1805	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-7	0615	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-7	0620	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-7	0950	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-7	0955	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-7	0615	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-7	0620	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-7	0700	7469	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-7	0705	7469	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-7	1800	12385	Mon	Polish intel. Test tone. No transmission	QPSK 100Bd/464bp	(AB)
F03I	23-7	1805	12385	Mon	Polish intel. Test tone. No transmission	QPSK 100Bd/464bp	(AB)
F03I	23-7	1830	6304	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-7	1835	6304	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	24-7	0700	7469	Thu	No transmission	QPSK 100Bd/464bp	(AB)

F03I	24-7	0705	7469	Thu	No transmission	QPSK 100Bd/464bp	(AB)
F03I	27-7	0615	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-7	0620	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-7	0950	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-7	0955	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-7	1830	6304	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-7	1835	6304	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-7	0615	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-7	0620	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-7	1800	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-7	1805	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-7	0615	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-7	0620	15915	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-7	0950	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-7	0955	10125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-7	0615	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-7	0620	12089	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-7	0700	7469	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-7	0705	7469	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-7	1800	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-7	1805	12385	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-7	1830	6304	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-7	1835	6304	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	31-7	0700	7469	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	31-7	0705	7469	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F06	1-7	1200	10629	Sun	File 44480 (binary contents)	FSK 200/1000	(AB)
F06	1-7	1215	8138	Sun	File 44480 (binary contents)	FSK 200/1000	(AB)
F06	1-7	1230	6774	Sun	File 44480 (binary contents)	FSK 200/1000	(AB)
F06	2-7	0700	11159	Mon	11166 70202 34852 01081 02439 and 11166 70202 36874 01082 02019	FSK 200/1000	(AB)
F06	2-7	0710	9188	Mon	11166 70202 34852 01081 02439 and 11166 70202 36874 01082 02019	FSK 200/1000	(AB)
F06	2-7	0720	7669	Mon	11166 70202 34852 01081 02439 and 11166 70202 36874 01082 02019	FSK 200/1000	(AB)
F06	2-7	1200	10929	Mon	11166 70202 34852 01081 02439 and 11166 70202 36874 01082 02019	FSK 200/1000	(AB)
F06	2-7	1210	8138	Mon	11166 70202 34852 01081 02439 and 11166 70202 36874 01082 02019	FSK 200/1000	(AB)
F06	2-7	1220	6774	Mon	11166 70202 34852 01081 02439 and 11166 70202 36874 01082 02019	FSK 200/1000	(AB)
F06	2-7	1330	16127	Mon	11166 80214 23568 02006 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-7	1340	12229	Mon	11166 80214 23568 02006 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-7	1350	9958	Mon	11166 80214 23568 02006 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-7	0700	11159	Thu	11166 70202 15963 03037 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-7	0710	9188	Thu	11166 70202 15963 03037 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-7	0720	7669	Thu	11166 70202 15963 03037 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-7	1530	20988	Sat	11166 10053 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-7	1540	18187	Sat	11166 10053 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	5-7	1550	16169	Sat	11166 10053 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-7	0800	9923	Sun	11100 00000 75698 06051 01839	FSK 200/1000	(AB)
F06	6-7	0810	7369	Sun	11100 00000 75698 06051 01839	FSK 200/1000	(AB)
F06	6-7	0820	5341	Sun	11100 00000 75698 06051 01839	FSK 200/1000	(AB)
F06	6-7	1200	10629	Sun	File 44483 (binary contents)	FSK 200/1000	(AB)
F06	6-7	1215	8138	Sun	File 44483 (binary contents)	FSK 200/1000	(AB)
F06	6-7	1230	6774	Sun	File 44483 (binary contents)	FSK 200/1000	(AB)
F06	7-7	0700	11159	Mon	11166 70202 71495 06084 01539 and 11166 70202 75813 06085 01579	FSK 200/1000	(AB)
F06	7-7	0710	9188	Mon	11166 70202 71495 06084 01539 and 11166 70202 75813 06085 01579	FSK 200/1000	(AB)
F06	7-7	0720	7669	Mon	11166 70202 71495 06084 01539 and 11166 70202 75813 06085 01579	FSK 200/1000	(AB)
F06	7-7	0800	9923	Mon	11100 00000 75698 06051 01839	FSK 200/1000	(AB)
F06	7-7	0810	7369	Mon	11100 00000 75698 06051 01839	FSK 200/1000	(AB)
F06	7-7	0820	5341	Mon	11100 00000 75698 06051 01839	FSK 200/1000	(AB)
F06	7-7	1200	10929	Mon	11166 70202 71495 06084 01539 and 11166 70202 75813 06085 01579	FSK 200/1000	(AB)
F06	7-7	1210	8138	Mon	11166 70202 71495 06084 01539 and 11166 70202 75813 06085 01579	FSK 200/1000	(AB)
F06	7-7	1220	6774	Mon	11166 70202 71495 06084 01539 and 11166 70202 75813 06085 01579	FSK 200/1000	(AB)
F06	7-7	1650	20475	Mon	11166 10053 32147 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-7	1700	18183	Mon	11166 10053 32147 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-7	1710	16319	Mon	11166 10053 32147 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-7	1200	10629	Sun	Too weak to decode	FSK 200/1000	(AB)
F06	8-7	1215	8138	Sun	Too weak to decode	FSK 200/1000	(AB)
F06	8-7	1230	6774	Sun	Too weak to decode	FSK 200/1000	(AB)
F06	9-7	0700	11159	Mon	11166 70202 58743 08087 01479 and 11166 70202 65891 08088 01759	FSK 200/1000	(AB)
F06	9-7	0710	9188	Mon	11166 70202 58743 08087 01479 and 11166 70202 65891 08088 01759	FSK 200/1000	(AB)
F06	9-7	0720	7669	Mon	11166 70202 58743 08087 01479 and 11166 70202 65891 08088 01759	FSK 200/1000	(AB)
F06	9-7	1200	10629	Mon	11166 70202 58743 08087 01479 and 11166 70202 65891 08088 01759	FSK 200/1000	(AB)
F06	9-7	1210	8138	Mon	11166 70202 58743 08087 01479 and 11166 70202 65891 08088 01759	FSK 200/1000	(AB)
F06	9-7	1220	6774	Mon	11166 70202 58743 08087 01479 and 11166 70202 65891 08088 01759	FSK 200/1000	(AB)
F06	9-7	1330	16127	Mon	11166 80214 04715 09009 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-7	1340	12229	Mon	11166 80214 04715 09009 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-7	1350	9958	Mon	11166 80214 04715 09009 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-7	0700	11159	Thu	11166 70202 12796 10021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-7	0710	9188	Thu	11166 70202 12796 10021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-7	0720	7669	Thu	11166 70202 12796 10021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-7	1530	20988	Sat	11166 10053 54812 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-ARS)
F06	12-7	1540	18187	Sat	11166 10053 54812 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-ARS)
F06	12-7	1550	16169	Sat	11166 10053 54812 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-7	0800	9923	Sun	11100 00000 14873 10052 01719	FSK 200/1000	(AB)
F06	13-7	0810	7369	Sun	11100 00000 14873 10052 01719	FSK 200/1000	(AB)
F06	13-7	0820	5341	Sun	11100 00000 14873 10052 01719	FSK 200/1000	(AB)
F06	13-7	1200	10629	Sun	File 44489 (binary contents)	FSK 200/1000	(AB)
F06	13-7	1215	8138	Sun	File 44489 (binary contents)	FSK 200/1000	(AB)

F06	13-7	1230	6774	Sun	File 44489 (binary contents)	FSK 200/1000	(AB)
F06	14-7	0030	12219	Mon	Null message	FSK 200/1000	(AB)
F06	14-7	0040	10741	Mon	Null message	FSK 200/1000	(AB)
F06	14-7	0050	9351	Mon	Null message	FSK 200/1000	(AB)
F06	14-7	0700	11159	Mon	11166 70202 45678 13090 01639 and 11166 70202 12785 13091 01559	FSK 200/1000	(AB)
F06	14-7	0710	9188	Mon	11166 70202 45678 13090 01639 and 11166 70202 12785 13091 01559	FSK 200/1000	(AB)
F06	14-7	0720	7669	Mon	11166 70202 45678 13090 01639 and 11166 70202 12785 13091 01559	FSK 200/1000	(AB)
F06	14-7	0800	9923	Mon	11100 00000 14873 10052 01719	FSK 200/1000	(AB)
F06	14-7	0810	7369	Mon	11100 00000 14873 10052 01719	FSK 200/1000	(AB)
F06	14-7	0820	5341	Mon	11100 00000 14873 10052 01719	FSK 200/1000	(AB)
F06	14-7	1200	10929	Mon	11166 70202 45678 13090 01639 and 11166 70202 12785 13091 01559	FSK 200/1000	(AB)
F06	14-7	1210	8138	Mon	11166 70202 45678 13090 01639 and 11166 70202 12785 13091 01559	FSK 200/1000	(AB)
F06	14-7	1220	6774	Mon	11166 70202 45678 13090 01639 and 11166 70202 12785 13091 01559	FSK 200/1000	(AB)
F06	14-7	1650	20475	Mon	11166 10053 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-NOR)
F06	14-7	1700	18183	Mon	11166 10053 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	14-7	1710	16319	Mon	11166 10053 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRL)
F06	15-7	1200	10629	Sun	File 44492 (binary contents). Header: 44466 70202 45698 14092 00009	FSK 200/1000	(AB)
F06	15-7	1215	8138	Sun	File 44492 (binary contents). Header: 44466 70202 45698 14092 00009	FSK 200/1000	(AB)
F06	15-7	1230	6774	Sun	File 44492 (binary contents). Header: 44466 70202 45698 14092 00009	FSK 200/1000	(AB)
F06	16-7	0700	11159	Mon	11166 70202 54712 15093 01839 and 11166 70202 69751 15094 01539	FSK 200/1000	(AB)
F06	16-7	0710	9188	Mon	11166 70202 54712 15093 01839 and 11166 70202 69751 15094 01539	FSK 200/1000	(AB)
F06	16-7	0720	7669	Mon	11166 70202 54712 15093 01839 and 11166 70202 69751 15094 01539	FSK 200/1000	(AB)
F06	16-7	1200	10629	Mon	11166 70202 54712 15093 01839 and 11166 70202 69751 15094 01539	FSK 200/1000	(AB)
F06	16-7	1210	8138	Mon	11166 70202 54712 15093 01839 and 11166 70202 69751 15094 01539	FSK 200/1000	(AB)
F06	16-7	1220	6774	Mon	11166 70202 54712 15093 01839 and 11166 70202 69751 15094 01539	FSK 200/1000	(AB)
F06	16-7	1330	16127	Mon	11166 80214 51379 15001 00049 00000 00000 00000 00000 Wrong date	FSK 200/1000	(AB)
F06	16-7	1340	12229	Mon	11166 80214 51379 15001 00049 00000 00000 00000 00000 Wrong date	FSK 200/1000	(AB)
F06	16-7	1350	9958	Mon	11166 80214 51379 15001 00049 00000 00000 00000 00000 Wrong date	FSK 200/1000	(AB)
F06	17-7	0700	11159	Thu	11166 70202 19734 17013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-7	0710	9188	Thu	11166 70202 19734 17013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-7	0720	7669	Thu	11166 70202 19734 17013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-7	1530	20988	Sat	11166 10053 19528 19082 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	19-7	1540	18187	Sat	11166 10053 19528 19082 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	19-7	1550	16169	Sat	11166 10053 19528 19082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-7	0800	9923	Sun	11100 00000 28596 17053 03439	FSK 200/1000	(AB)
F06	20-7	0810	7369	Sun	11100 00000 28596 17053 03439	FSK 200/1000	(AB)
F06	20-7	0820	5341	Sun	11100 00000 28596 17053 03439	FSK 200/1000	(AB)
F06	20-7	1200	10629	Sun	File 44495 (binary contents)	FSK 200/1000	(AB)
F06	20-7	1215	8138	Sun	File 44495 (binary contents)	FSK 200/1000	(AB)
F06	20-7	1230	6774	Sun	File 44495 (binary contents)	FSK 200/1000	(AB)
F06	21-7	0030	12219	Mon	11166 60070 89542 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-7	0040	10741	Mon	11166 60070 89542 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	21-7	0050	9351	Mon	11166 60070 89542 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-7	0700	11159	Mon	11166 70202 28674 20096 01939 and 11166 70202 95382 20097 01799	FSK 200/1000	(AB)
F06	21-7	0710	9188	Mon	11166 70202 28674 20096 01939 and 11166 70202 95382 20097 01799	FSK 200/1000	(AB)
F06	21-7	0720	7669	Mon	11166 70202 28674 20096 01939 and 11166 70202 95382 20097 01799	FSK 200/1000	(AB)
F06	21-7	0800	9923	Mon	11100 00000 28596 17053 03439	FSK 200/1000	(AB)
F06	21-7	0810	7369	Mon	11100 00000 28596 17053 03439	FSK 200/1000	(AB)
F06	21-7	0820	5341	Mon	11100 00000 28596 17053 03439	FSK 200/1000	(AB)
F06	21-7	1200	10929	Mon	11166 70202 28674 20096 01939 and 11166 70202 95382 20097 01799	FSK 200/1000	(AB)
F06	21-7	1210	8138	Mon	11166 70202 28674 20096 01939 and 11166 70202 95382 20097 01799	FSK 200/1000	(AB)
F06	21-7	1220	6774	Mon	11166 70202 28674 20096 01939 and 11166 70202 95382 20097 01799	FSK 200/1000	(AB)
F06	21-7	1650	20475	Mon	11166 10053 25843 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-NOR/RL-G)
F06	21-7	1700	18183	Mon	11166 10053 25843 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	21-7	1710	16319	Mon	11166 10053 25843 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-7	1200	10629	Sun	File 44498 (binary contents)	FSK 200/1000	(AB)
F06	22-7	1215	8138	Sun	File 44498 (binary contents)	FSK 200/1000	(AB)
F06	22-7	1230	6774	Sun	File 44498 (binary contents)	FSK 200/1000	(AB)
F06	23-7	0700	11159	Mon	11166 70202 20167 22099 01359 and 11166 70202 12678 22001 02179	FSK 200/1000	(AB)
F06	23-7	0710	9188	Mon	11166 70202 20167 22099 01359 and 11166 70202 12678 22001 02179	FSK 200/1000	(AB)
F06	23-7	0720	7669	Mon	11166 70202 20167 22099 01359 and 11166 70202 12678 22001 02179	FSK 200/1000	(AB)
F06	23-7	1200	10629	Mon	11166 70202 20167 22099 01359 and 11166 70202 12678 22001 02179	FSK 200/1000	(AB)
F06	23-7	1210	8138	Mon	11166 70202 20167 22099 01359 and 11166 70202 12678 22001 02179	FSK 200/1000	(AB)
F06	23-7	1220	6774	Mon	11166 70202 20167 22099 01359 and 11166 70202 12678 22001 02179	FSK 200/1000	(AB)
F06	23-7	1330	16127	Mon	11166 80214 18745 22029 00049 00000 00000 00000 00000 Wrong date	FSK 200/1000	(AB)
F06	23-7	1340	12229	Mon	11166 80214 18745 22029 00049 00000 00000 00000 00000 Wrong date	FSK 200/1000	(AB)
F06	23-7	1350	9958	Mon	11166 80214 18745 22029 00049 00000 00000 00000 00000 Wrong date	FSK 200/1000	(AB)
F06	24-7	0700	11159	Thu	11100 70202 45678 24064 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-7	0710	9188	Thu	11100 70202 45678 24064 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-7	0720	7669	Thu	11100 70202 45678 24064 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-7	1530	20988	Sat	11166 10053 58391 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	26-7	1540	18187	Sat	11166 10053 58391 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-7	1550	16169	Sat	11166 10053 58391 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-7	0800	9923	Sun	11100 00000 63571 24054 01119	FSK 200/1000	(AB)
F06	27-7	0810	7369	Sun	11100 00000 63571 24054 01119	FSK 200/1000	(AB)
F06	27-7	0820	5341	Sun	11100 00000 63571 24054 01119	FSK 200/1000	(AB)
F06	27-7	1200	10629	Sun	File 44402 (binary contents)	FSK 200/1000	(AB)
F06	27-7	1215	8138	Sun	File 44402 (binary contents)	FSK 200/1000	(AB)
F06	27-7	1230	6774	Sun	File 44402 (binary contents)	FSK 200/1000	(AB)
F06	28-7	0030	12219	Mon	11166 60070 35724 28082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-7	0040	10741	Mon	11166 60070 35724 28082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-7	0050	9351	Mon	11166 60070 35724 28082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-7	0700	11159	Mon	11166 70202 85963 27003 01799 and 11166 70202 48157 27004 01539	FSK 200/1000	(AB)
F06	28-7	0710	9188	Mon	11166 70202 85963 27003 01799 and 11166 70202 48157 27004 01539	FSK 200/1000	(AB)

F06	28-7	0720	7669	Mon	11166 70202 85963 27003 01799 and 11166 70202 48157 27004 01539	FSK 200/1000	(AB)
F06	28-7	0800	9923	Mon	11100 00000 63571 24054 01119	FSK 200/1000	(AB)
F06	28-7	0810	7369	Mon	11100 00000 63571 24054 01119	FSK 200/1000	(AB)
F06	28-7	0820	5341	Mon	11100 00000 63571 24054 01119	FSK 200/1000	(AB)
F06	28-7	1200	10929	Mon	11166 70202 85963 27003 01799 and 11166 70202 48157 27004 01539	FSK 200/1000	(AB)
F06	28-7	1210	8138	Mon	11166 70202 85963 27003 01799 and 11166 70202 48157 27004 01539	FSK 200/1000	(AB)
F06	28-7	1220	6774	Mon	11166 70202 85963 27003 01799 and 11166 70202 48157 27004 01539	FSK 200/1000	(AB)
F06	28-7	1650	20475	Mon	11166 10053 89357 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	28-7	1700	18183	Mon	11166 10053 89357 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	28-7	1710	16319	Mon	11166 10053 89357 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-7	0700	11159	Mon	11166 70202 90167 29006 01259 and 11166 70202 32678 29007 02279	FSK 200/1000	(AB)
F06	30-7	0710	9188	Mon	11166 70202 90167 29006 01259 and 11166 70202 32678 29007 02279	FSK 200/1000	(AB)
F06	30-7	0720	7669	Mon	11166 70202 90167 29006 01259 and 11166 70202 32678 29007 02279	FSK 200/1000	(AB)
F06	30-7	1200	10629	Mon	11166 70202 90167 29006 01259 and 11166 70202 32678 29007 02279	FSK 200/1000	(AB)
F06	30-7	1210	8138	Mon	11166 70202 90167 29006 01259 and 11166 70202 32678 29007 02279	FSK 200/1000	(AB)
F06	30-7	1220	6774	Mon	11166 70202 90167 29006 01259 and 11166 70202 32678 29007 02279	FSK 200/1000	(AB)
F06	30-7	1330	16127	Mon	11166 80214 93726 29055 00049 00000 00000 00000 00000 Wrong date	FSK 200/1000	(AB)
F06	30-7	1340	12229	Mon	11166 80214 93726 29055 00049 00000 00000 00000 00000 Wrong date	FSK 200/1000	(AB)
F06	30-7	1350	9958	Mon	11166 80214 93726 29055 00049 00000 00000 00000 00000 Wrong date	FSK 200/1000	(AB)
F06	31-7	0700	11159	Thu	11166 70202 21478 31005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-7	0710	9188	Thu	11166 70202 21478 31005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-7	0720	7669	Thu	11166 70202 21478 31005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06a	1-7	0600	12073	Sun	File 44902 (binary contents)	FSK 200/1000	(AB)
F06a	1-7	0615	14073	Sun	File 44902 (binary contents)	FSK 200/1000	(AB)
F06a	1-7	0630	16129	Sun	File 44902 (binary contents)	FSK 200/1000	(AB)
F06a	1-7	0700	11159	Sun	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	1-7	0715	9188	Sun	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	1-7	0730	7669	Sun	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	2-7	0600	12073	Mon	File 44902 (binary contents)	FSK 200/1000	(AB)
F06a	2-7	0615	14073	Mon	File 44902 (binary contents)	FSK 200/1000	(AB)
F06a	2-7	0630	16129	Mon	File 44902 (binary contents)	FSK 200/1000	(AB)
F06a	6-7	0700	11159	Sun	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	6-7	0715	9188	Sun	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	6-7	0730	7669	Sun	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	8-7	0600	12073	Sun	File 74403 (binary contents)	FSK 200/1000	(AB)
F06a	8-7	0615	14073	Sun	File 74403 (binary contents)	FSK 200/1000	(AB)
F06a	8-7	0630	16129	Sun	File 74403 (binary contents)	FSK 200/1000	(AB)
F06a	8-7	0700	11159	Sun	Active, barely audible	FSK 200/1000	(AB)
F06a	8-7	0715	9188	Sun	Active, barely audible	FSK 200/1000	(AB)
F06a	8-7	0730	7669	Sun	Active, barely audible	FSK 200/1000	(AB)
F06a	9-7	0600	12073	Mon	File 74403 (binary contents)	FSK 200/1000	(AB)
F06a	9-7	0615	14073	Mon	File 74403 (binary contents)	FSK 200/1000	(AB)

F06a	9-7	0630	16129	Mon	File 74403 (binary contents)	FSK 200/1000	(AB)
F06a	13-7	0700	11159	Sun	File 44489 (binary contents)	FSK 200/1000	(AB)
F06a	13-7	0715	9188	Sun	File 44489 (binary contents)	FSK 200/1000	(AB)
F06a	13-7	0730	7669	Sun	File 44489 (binary contents)	FSK 200/1000	(AB)
F06a	15-7	0600	12073	Sun	File 46404 (binary contents)	FSK 200/1000	(AB)
F06a	15-7	0615	14073	Sun	File 46404 (binary contents)	FSK 200/1000	(AB)
F06a	15-7	0630	16129	Sun	File 46404 (binary contents)	FSK 200/1000	(AB)
F06a	15-7	0700	11159	Sun	File 44492 (binary contents). Header: 44466 70202 45698 14092 00009	FSK 200/1000	(AB-RUS)
F06a	15-7	0715	9188	Sun	File 44492 (binary contents). Header: 44466 70202 45698 14092 00009	FSK 200/1000	(AB)
F06a	15-7	0730	7669	Sun	File 44492 (binary contents). Header: 44466 70202 45698 14092 00009	FSK 200/1000	(AB)
F06a	16-7	0600	12073	Mon	File 46404 (binary contents)	FSK 200/1000	(AB)
F06a	16-7	0615	14073	Mon	File 46404 (binary contents)	FSK 200/1000	(AB)
F06a	16-7	0630	16129	Mon	File 46404 (binary contents)	FSK 200/1000	(AB)
F06a	18-7	1600	24462	Fri	File 14461 (binary contents)	FSK 200/1000	(AB)
F06a	18-7	1615	20811	Fri	File 14461 (binary contents)	FSK 200/1000	(AB)
F06a	18-7	1630	18593	Fri	File 14461 (binary contents)	FSK 200/1000	(AB)
F06a	19-7	1600	20973	Sat	File 14461 (binary contents)	FSK 200/1000	(AB)
F06a	19-7	1615	19844	Sat	File 14461 (binary contents)	FSK 200/1000	(AB)
F06a	19-7	1630	18757	Sat	File 14461 (binary contents)	FSK 200/1000	(AB)
F06a	20-7	0700	11159	Sun	File 44495 (binary contents)	FSK 200/1000	(AB)
F06a	20-7	0715	9188	Sun	File 44495 (binary contents)	FSK 200/1000	(AB)
F06a	20-7	0730	7669	Sun	File 44495 (binary contents)	FSK 200/1000	(AB)
F06a	22-7	0600	12073	Sun	File 44305 (binary contents)	FSK 200/1000	(AB-POL)
F06a	22-7	0600	12073	Sun	File 44305 (binary contents)	FSK 200/1000	(AB-POL)
F06a	22-7	0615	14073	Sun	File 44305 (binary contents)	FSK 200/1000	(AB)
F06a	22-7	0615	14073	Sun	File 44305 (binary contents)	FSK 200/1000	(AB)
F06a	22-7	0630	16129	Sun	File 44305 (binary contents)	FSK 200/1000	(AB)
F06a	22-7	0630	16129	Sun	File 44305 (binary contents)	FSK 200/1000	(AB)
F06a	22-7	0700	11159	Sun	File 44498 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	22-7	0715	9188	Sun	File 44498 (binary contents)	FSK 200/1000	(AB)
F06a	22-7	0730	7669	Sun	File 44498 (binary contents)	FSK 200/1000	(AB)
F06a	25-7	1600	24462	Fri	File 42462 (binary contents)	FSK 200/1000	(AB)
F06a	25-7	1615	20811	Fri	File 42462 (binary contents)	FSK 200/1000	(AB)
F06a	25-7	1630	18593	Fri	File 42462 (binary contents)	FSK 200/1000	(AB)
F06a	26-7	1600	20973	Sat	File 42462 (binary contents)	FSK 200/1000	(AB)
F06a	26-7	1615	19844	Sat	File 42462 (binary contents)	FSK 200/1000	(AB)
F06a	26-7	1630	18757	Sat	File 42462 (binary contents)	FSK 200/1000	(AB)
F06a	27-7	0700	11159	Sun	File 44402 (binary contents)	FSK 200/1000	(AB)
F06a	27-7	0715	9188	Sun	File 44402 (binary contents)	FSK 200/1000	(AB)
F06a	27-7	0730	7669	Sun	File 44402 (binary contents)	FSK 200/1000	(AB)
F06a	29-7	0600	12073	Sun	File 94406 (binary contents)	FSK 200/1000	(AB-POL)
F06a	29-7	0615	14073	Sun	File 94406 (binary contents)	FSK 200/1000	(AB)

F06a	29-7	0630	16129	Sun	File 94406 (binary contents)	FSK 200/1000	(AB)
F06a	29-7	0700	11159	Sun	File 44405 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	29-7	0715	9188	Sun	File 44405 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	29-7	0730	7669	Sun	File 44405 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	29-7	1200	10629	Sun	File 44405 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	29-7	1215	8138	Sun	File 44405 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	29-7	1230	6774	Sun	File 44405 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	30-7	0600	12073	Mon	File 94406 (binary contents)	FSK 200/1000	(AB-POL)
F06a	30-7	0615	14073	Mon	File 94406 (binary contents)	FSK 200/1000	(AB)
F06a	30-7	0630	16129	Mon	File 94406 (binary contents)	FSK 200/1000	(AB)
F06a	31-7	1900	15611	Thu	File 04456 (binary contents)	FSK 200/1000	(AB)
F06a	31-7	1915	14379	Thu	File 04456 (binary contents)	FSK 200/1000	(AB)
F06a	31-7	1930	13389	Thu	File 04456 (binary contents)	FSK 200/1000	(AB)
F07	2-7	2000	17436	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-7	2010	16348	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-7	2020	15968	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-7	2030	14852	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-7	2040	13961	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-7	2050	13373	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-7	2000	17436	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-7	2010	16348	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-7	2020	15968	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-7	2030	14852	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-7	2040	13961	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-7	2050	13373	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-7	2000	17436	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-7	2010	16348	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-7	2020	15968	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-7	2030	14852	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-7	2040	13961	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-7	2050	13373	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-7	2000	17436	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-7	2010	16348	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-7	2020	15968	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-7	2030	14852	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-7	2040	13961	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-7	2050	13373	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-7	2000	17436	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-7	2010	16348	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-7	2020	15968	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-7	2030	14852	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-7	2040	13961	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	16-7	2050	13373	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-7	2000	17436	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-7	2010	16348	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-7	2020	15968	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-7	2030	14852	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-7	2040	13961	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-7	2050	13373	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-7	2000	17436	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-7	2010	16348	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-7	2020	15968	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-7	2030	14852	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-7	2040	13961	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-7	2050	13373	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-7	2000	17436	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-7	2010	16348	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-7	2020	15968	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-7	2030	14852	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-7	2040	13961	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-7	2050	13373	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-7	2000	17436	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-7	2010	16348	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-7	2020	15968	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-7	2030	14852	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-7	2040	13961	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-7	2050	13373	Mon	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
KRE	1-7	0632	14300	Sun	DPRK embassy Moscow wkg unid DPRK embassy	DPRK-ARQ 600/600 LSB	(AJT)
KRE	13-7	1340	14300	Sun	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK ARQ 600/600 LSB	(AB)
KRE	24-7	1310	16350	Thu	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-7	1230	16800	Mon	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK-ARQ 1200/600	(AB)
M01	2-7	2000	4903	Mon	025 731 731 30 30 = = 75634 12345 97856 ... 47634 23176 98674 = = 731 731 30 30 000	CW	(AB)
M01	7-7	2000	4903	Mon	025 869 869 30 30 = = 76859 ...	CW	(AB)
M01	14-7	2000	4903	Mon	025 969 969 30 30 = = (too weak to copy)	CW	(AB)
M01	16-7	2000	4903	Mon	025 324 324 30 30 = = 00978 46532 13245 ... 13279 07863 04651 = = 324 324 30 30 000	CW	(AB)
M01	21-7	1800	5280	Mon	025 491 491 30 30 = = (too weak to copy)	CW	(AB)
M01	21-7	2000	4903	Mon	025 703 703 30 30 = = 84293 47309 75487 ... 47393 58011 30589 = = 703 703 30 30 000	CW	(AB)
M01	23-7	2000	4903	Mon	025 912 912 30 30 = = 76812 36197 67453 ... 23245 56497 68561 = = 219 219 30 30 000 Sent only 29 groups	CW	(AB)
M01	28-7	2000	4903	Mon	025 778 778 30 30 = = 00041 26334 13219 ... 46243 97624 07888 = = 778 778 30 30 000. Groups 3, 5, 10 and 23 were not repeated	CW	(AB)
M01	30-7	1800	5280	Mon	025 777 777 30 30 = = (too weak to copy)	CW	(AB)
M01	30-7	2000	4903	Mon	025 123 123 30 30 = = 67453 12143 78453 ... 89749 67587 67546 = = 123 123 30 30 000	CW	(AB)
M12	2-7	1900	9319	Mon	258 258 258 1 8594 274 8594 274 40718 35944 42835 ...	CW	(AB)

M12	2-7	1900	11564	Mon	258 258 258 1 8594 274 8594 274 40718 35944 42835 ...	CW	(AB)
M12	2-7	1920	10487	Mon	258 258 258 1 8594 274 8594 274 40718 35944 42835 ...	CW	(AB)
M12	3-7	0800	13931	Thu	915 915 915 1 3131 198 3131 198 54285 94772 36134 ... 49122 10395 34195 000 000	CW	(AB-KOR)
M12	3-7	0820	12153	Thu	915 915 915 1 3131 198 3131 198 54285 94772 36134 ... 49122 10395 34195 000 000	CW	(AB-KOR)
M12	3-7	0840	11536	Thu	915 915 915 1 3131 198 3131 198 54285 94772 36134 ... 49122 10395 34195 000 000	CW	(AB-KOR)
M12	3-7	2100	17453	Thu	438 438 438 000	CW	(AB)
M12	3-7	2120	16312	Thu	438 438 438 000	CW	(AB)
M12	5-7	1900	13409	Sat	397 397 397 1 4621 170 4621 170 92212 99717 63457 ... 93611 49771 33815 000 000	CW	(AB)
M12	5-7	1920	12195	Sat	397 397 397 1 4621 170 4621 170 92212 99717 63457 ... 93611 49771 33815 000 000	CW	(AB)
M12	5-7	1940	11526	Sat	397 397 397 1 4621 170 4621 170 92212 99717 63457 ... 93611 49771 33815 000 000	CW	(AB)
M12	6-7	0800	13931	Sun	915 915 915 1 2154 120 2154 120 56356 34455 60782 ... 14315 41846 96757 000 000	CW	(AB-KOR)
M12	6-7	0820	12153	Sun	915 915 915 1 2154 120 2154 120 56356 34455 60782 ... 14315 41846 96757 000 000	CW	(AB-KOR)
M12	6-7	0840	11536	Sun	915 915 915 1 2154 120 2154 120 56356 34455 60782 ... 14315 41846 96757 000 000	CW	(AB-KOR)
M12	6-7	1900	13409	Sun	397 397 397 1 3655 192 3655 192 04104 11847 34867 ... 26398 69238 15429 000 000	CW	(AB)
M12	6-7	1920	12195	Sun	397 397 397 1 3655 192 3655 192 04104 11847 34867 ... 26398 69238 15429 000 000	CW	(AB)
M12	6-7	1940	11526	Sun	397 397 397 1 3655 192 3655 192 04104 11847 34867 ... 26398 69238 15429 000 000	CW	(AB)
M12	9-7	1900	9319	Mon	258 258 258 1 9246 263 9246 263 21465 24862 72993 ...	CW	(AB)
M12	9-7	1900	11564	Mon	258 258 258 1 9246 263 9246 263 21465 24862 72993 ...	CW	(AB)
M12	9-7	1920	10487	Mon	258 258 258 1 9246 263 9246 263 21465 24862 72993 ...	CW	(AB)
M12	10-7	0800	13931	Thu	915 915 915 1 2154 120 2154 120 56356 34455 60782 ... 14315 41846 96757 000 000	CW	(AB-KOR)
M12	10-7	0820	12153	Thu	915 915 915 1 2154 120 2154 120 56356 34455 60782 ... 14315 41846 96757 000 000	CW	(AB-KOR)
M12	10-7	0840	11536	Thu	915 915 915 1 2154 120 2154 120 56356 34455 60782 ... 14315 41846 96757 000 000	CW	(AB-KOR)
M12	10-7	2120	16312	Thu	438 438 438 1 9646 163 9646 163 07930 75061 20217 ...45640 98175 26216 000 000	CW	(RL-G)
M12	10-7	2140	15836	Thu	438 438 438 1 9646 163 9646 163 07930 75061 20217 ...45640 98175 26216 000 000	CW	(RL-G)
M12	11-7	1900	9319	Fri	258 258 258 1 9246 263 9246 263 21465 24862 72993 ...	CW	(AB)
M12	11-7	1900	11564	Fri	258 258 258 1 9246 263 9246 263 21465 24862 72993 ...	CW	(AB)
M12	11-7	1920	10487	Fri	258 258 258 1 9246 263 9246 263 21465 24862 72993 ...	CW	(AB)
M12	12-7	1900	13409	Sat	397 397 397 1 3655 192 3655 192 04104 11847 34867 ... 26398 69238 15429 000 000	CW	(AB)
M12	12-7	1920	12195	Sat	397 397 397 1 3655 192 3655 192 04104 11847 34867 ... 26398 69238 15429 000 000	CW	(AB)
M12	12-7	1940	11526	Sat	397 397 397 1 3655 192 3655 192 04104 11847 34867 ... 26398 69238 15429 000 000	CW	(AB)
M12	13-7	0800	13931	Sun	915 915 915 1 5988 182 5988 182 09355 94983 69317 ... 49777 70515 83122 000 000	CW	(AB-KOR)
M12	13-7	0820	12153	Sun	915 915 915 1 5988 182 5988 182 09355 94983 69317 ... 49777 70515 83122 000 000	CW	(AB-KOR)
M12	13-7	0840	11536	Sun	915 915 915 1 5988 182 5988 182 09355 94983 69317 ... 49777 70515 83122 000 000	CW	(AB-KOR)
M12	13-7	1900	13409	Sun	397 397 397 1 6218 170 6218 170 30989 48048 14276 ... 54711 71337 42117 000 000	CW	(AB)
M12	13-7	1920	12195	Sun	397 397 397 1 6218 170 6218 170 30989 48048 14276 ... 54711 71337 42117 000 000	CW	(AB)
M12	13-7	1940	11526	Sun	397 397 397 1 6218 170 6218 170 30989 48048 14276 ... 54711 71337 42117 000 000	CW	(AB)
M12	16-7	1900	9319	Mon	258 258 258 1 4155 285 4155 285 38073 22818 31941 ... 10395 49843 11519 000 000	CW	(AB)
M12	16-7	1900	11564	Mon	258 258 258 1 4155 285 4155 285 38073 22818 31941 ... 10395 49843 11519 000 000	CW	(AB)
M12	16-7	1920	10487	Mon	258 258 258 1 4155 285 4155 285 38073 22818 31941 ... 10395 49843 11519 000 000	CW	(AB)
M12	17-7	0800	13931	Thu	915 915 915 1 5988 182 5988 182 09355 94983 69317 ... 49777 70515 83122 000 000	CW	(AB-KOR)
M12	17-7	0820	12153	Thu	915 915 915 1 5988 182 5988 182 09355 94983 69317 ... 49777 70515 83122 000 000	CW	(AB-KOR)
M12	17-7	0840	11536	Thu	915 915 915 1 5988 182 5988 182 09355 94983 69317 ... 49777 70515 83122 000 000	CW	(AB-KOR)

M12	17-7	2100	17453	Thu	438 438 438 1 9646 163 9646 163 07930 75061 20217 ... 45640 98175 26216 000 000	CW	(AB)
M12	17-7	2120	16312	Thu	438 438 438 1 9646 163 9646 163 07930 75061 20217 ... 45640 98175 26216 000 000	CW	(AB)
M12	17-7	2140	15836	Thu	438 438 438 1 9646 163 9646 163 07930 75061 20217 ... 45640 98175 26216 000 000	CW	(AB)
M12	18-7	1900	9319	Fri	258 258 258 1 4155 285 4155 285 38073 22818 31941 ... 10395 49843 11519 000 000	CW	(AB)
M12	18-7	1900	11564	Fri	258 258 258 1 4155 285 4155 285 38073 22818 31941 ... 10395 49843 11519 000 000	CW	(AB)
M12	18-7	1920	10487	Fri	258 258 258 1 4155 285 4155 285 38073 22818 31941 ... 10395 49843 11519 000 000	CW	(AB)
M12	18-7	2100	17453	Fri	438 438 438 1 9646 163 9646 163 07930 75061 20217 ... 45640 98175 26216 000 000	CW	(AB/RL-G)
M12	18-7	2120	16312	Fri	438 438 438 1 9646 163 9646 163 07930 75061 20217 ... 45640 98175 26216 000 000	CW	(AB/RL-G)
M12	18-7	2140	15836	Fri	438 438 438 1 9646 163 9646 163 07930 75061 20217 ... 45640 98175 26216 000 000	CW	(AB/RL-G)
M12	19-7	1900	13409	Sat	397 397 397 1 6218 170 6218 170 30989 48048 14276 ... 54711 71337 42117 000 000	CW	(AB)
M12	19-7	1920	12195	Sat	397 397 397 1 6218 170 6218 170 30989 48048 14276 ... 54711 71337 42117 000 000	CW	(AB)
M12	19-7	1940	11526	Sat	397 397 397 1 6218 170 6218 170 30989 48048 14276 ... 54711 71337 42117 000 000	CW	(AB)
M12	20-7	0800	13931	Sun	915 915 915 1 3038 89 3038 89 20044 90959 82246 ... 48374 34623 53116 000 000	CW	(AB-KOR)
M12	20-7	0820	12153	Sun	915 915 915 1 3038 89 3038 89 20044 90959 82246 ... 48374 34623 53116 000 000	CW	(AB-KOR)
M12	20-7	0840	11536	Sun	915 915 915 1 3038 89 3038 89 20044 90959 82246 ... 48374 34623 53116 000 000	CW	(AB-KOR)
M12	20-7	1900	13409	Sun	397 397 397 1 8078 158 8078 158 17166 02128 93984 ... 81243 83683 93379 000 000	CW	(AB)
M12	20-7	1920	12195	Sun	397 397 397 1 8078 158 8078 158 17166 02128 93984 ... 81243 83683 93379 000 000	CW	(AB)
M12	20-7	1940	11526	Sun	397 397 397 1 8078 158 8078 158 17166 02128 93984 ... 81243 83683 93379 000 000	CW	(AB)
M12	23-7	1900	9319	Mon	258 258 258 1 2561 258 2561 258 19593 64542 26245 ...	CW	(AB)
M12	23-7	1900	11564	Mon	258 258 258 1 2561 258 2561 258 19593 64542 26245 ...	CW	(AB)
M12	23-7	1920	10487	Mon	258 258 258 1 2561 258 2561 258 19593 64542 26245 ...	CW	(AB)
M12	24-7	0800	13931	Thu	915 915 915 1 3038 8930 38 89 20044 90959 82246 ... 48374 34623 53116 000 000	CW	(AB-J)
M12	24-7	0820	12153	Thu	915 915 915 1 3038 8930 38 89 20044 90959 82246 ... 48374 34623 53116 000 000	CW	(AB-J)
M12	24-7	0840	11536	Thu	915 915 915 1 3038 8930 38 89 20044 90959 82246 ... 48374 34623 53116 000 000	CW	(AB-J)
M12	24-7	2100	17453	Thu	438 438 438 000	CW	(AB\RL-G)
M12	24-7	2120	16312	Thu	438 438 438 000	CW	(AB\RL-G)
M12	25-7	1900	9319	Fri	258 258 258 1 2561 258 2561 258 19593 64542 26245 ...	CW	(AB)
M12	25-7	1900	11564	Fri	258 258 258 1 2561 258 2561 258 19593 64542 26245 ...	CW	(AB)
M12	25-7	1920	10487	Fri	258 258 258 1 2561 258 2561 258 19593 64542 26245 ...	CW	(AB)
M12	25-7	2100	17453	Fri	438 438 438 000	CW	(AB)
M12	25-7	2120	16312	Fri	438 438 438 000	CW	(AB)
M12	26-7	1900	13409	Sat	397 397 397 1 8078 158 8078 158 17166 02128 93984 ... 81243 83683 93379 000 000	CW	(AB)
M12	26-7	1920	12195	Sat	397 397 397 1 8078 158 8078 158 17166 02128 93984 ... 81243 83683 93379 000 000	CW	(AB)
M12	26-7	1940	11526	Sat	397 397 397 1 8078 158 8078 158 17166 02128 93984 ... 81243 83683 93379 000 000	CW	(AB)
M12	27-7	0800	13931	Sun	915 915 915 1 6538 195 6538 195 10013 58549 26042 ... 43024 15274 36595 000 000	CW	(AB-KOR)
M12	27-7	0820	12153	Sun	915 915 915 1 6538 195 6538 195 10013 58549 26042 ... 43024 15274 36595 000 000	CW	(AB-KOR)
M12	27-7	0840	11536	Sun	915 915 915 1 6538 195 6538 195 10013 58549 26042 ... 43024 15274 36595 000 000	CW	(AB-KOR)
M12	27-7	1900	13409	Sun	397 397 397 1 92T9 195 9209 195 32137 93234 98959 ... 93444 14003 02162 000 000	CW	(AB)
M12	27-7	1920	12195	Sun	397 397 397 1 92T9 195 9209 195 32137 93234 98959 ... 93444 14003 02162 000 000	CW	(AB)
M12	27-7	1940	11526	Sun	397 397 397 1 92T9 195 9209 195 32137 93234 98959 ... 93444 14003 02162 000 000	CW	(AB)
M12	30-7	1900	9319	Mon	258 258 258 1 9167 263 9167 263 90059 62427 34948 ...	CW	(AB)
M12	30-7	1900	11564	Mon	258 258 258 1 9167 263 9167 263 90059 62427 34948 ...	CW	(AB)

M12	30-7	1920	10487	Mon	258 258 258 1 9167 263 9167 263 90059 62427 34948 ...	CW	(AB)
M12	31-7	0800	13931	Thu	915 915 915 1 6538 195 6538 195 10013 58549 26042 ... 43024 15274 36595 000 000	CW	(AB-KOR)
M12	31-7	0820	12153	Thu	915 915 915 1 6538 195 6538 195 10013 58549 26042 ... 43024 15274 36595 000 000	CW	(AB-KOR)
M12	31-7	0840	11536	Thu	915 915 915 1 6538 195 6538 195 10013 58549 26042 ... 43024 15274 36595 000 000	CW	(AB-KOR)
M12	31-7	2100	17453	Thu	438 438 438 000	CW	(AB)
M12	31-7	2120	16312	Thu	438 438 438 000	CW	(AB)
M14	1-7	0500	12211	Sun	952 761 761 33 33 = = 36357 76571 42355 ... 50117 62544 30390 = = 761 761 33 33 952 617 617 34 34 = = 72986 51995 01641 ... 06831 61522 85238 = = 617 617 34 34 00000	CW	(AB-J)
M14	1-7	0520	10243	Sun	952 761 761 33 33 = = 36357 76571 42355 ... 50117 62544 30390 = = 761 761 33 33 952 617 617 34 34 = = 72986 51995 01641 ... 06831 61522 85238 = = 617 617 34 34 00000	CW	(AB-J)
M14	2-7	0500	12211	Mon	952 617 617 34 34 = = 72986 51995 01641 ... 06831 61522 85238 = = 617 617 34 34 952 840 840 16 16 = = 66520 28435 33243 ... 61282 80172 70752 = = 840 840 16 16 00000	CW	(AB-J)
M14	2-7	0520	10243	Mon	No transmission	CW	(AB-J)
M14	3-7	0500	12211	Thu	952 952 952 00000	CW	(AB-J)
M14	3-7	0520	10243	Thu	952 952 952 00000	CW	(AB-J)
M14	6-7	0500	12211	Sun	952 834 834 54 54 = = 73728 56212 89547 ... 27045 58658 62214 = = 834 834 54 54 00000	CW	(AB-J)
M14	6-7	0520	10243	Sun	952 834 834 54 54 = = 73728 56212 89547 ... 27045 58658 62214 = = 834 834 54 54 00000	CW	(AB-J)
M14	7-7	0500	12211	Mon	952 834 834 54 54 = = 73728 56212 89547 ... 27045 58658 62214 = = 834 834 54 54 00000	CW	(AB-J)
M14	7-7	0520	10243	Mon	952 834 834 54 54 = = 73728 56212 89547 ... 27045 58658 62214 = = 834 834 54 54 00000	CW	(AB-J)
M14	8-7	0500	12211	Sun	952 368 368 24 24 = = 25555 11833 78587 ... 65362 51174 18527 = = 368 368 24 24 952 701 701 26 26 = = 20710 16748 15443 ... 58819 71799 12715 = 368 368 26 26 00000	CW	(AB-J)
M14	8-7	0520	10243	Sun	952 368 368 24 24 = = 25555 11833 78587 ... 65362 51174 18527 = = 368 368 24 24 952 701 701 26 26 = = 20710 16748 15443 ... 58819 71799 12715 = 368 368 26 26 00000	CW	(AB-J)
M14	9-7	0500	12211	Mon	952 617 617 34 34 = = 72986 51995 01641 ... 06831 61522 85238 = = 617 617 34 34 952 840 840 16 16 = = 66520 28435 33243 ... 61282 80172 70752 = = 840 840 16 16 00000	CW	(AB-J)
M14	9-7	0520	10243	Mon	No transmission	CW	(AB-J)
M14	10-7	0500	12211	Thu	952 952 952 00000	CW	(AB-J)
M14	10-7	0520	10243	Thu	952 952 952 00000	CW	(AB-J)
M14	10-7	0930	16347	Thu	617 617 617 00000	CW	(AB)
M14	13-7	0500	12211	Sun	952 140 140 55 55 = = 57097 71549 58169 ... 53544 81999 82277 = = 140 140 55 55 No closing nulls	CW	(AB-J)
M14	13-7	0524	10243	Sun	952 140 140 55 55 = = 57097 71549 58169 ... 53544 81999 82277 = = 140 140 55 55 00000	CW	(AB-J)
M14	14-7	0500	12211	Mon	952 140 140 55 55 = = 57097 71549 58169 ... 53544 81999 82277 = = 140 140 55 55 00000	CW	(AB-J)
M14	14-7	0520	10243	Mon	952 140 140 55 55 = = 57097 71549 58169 ... 53544 81999 82277 = = 140 140 55 55 00000	CW	(AB-J)
M14	15-7	0500	12211	Sun	952 841 841 11 11 = = 77627 98944 58677 ... 15161 85279 63181 = = 841 841 11 11 952 736 736 48 48 = = 39966 51746 75196 ... 59147 88948 02377 = = 736 736 48 48 00000	CW	(AB-J)

M14	15-7	0523	10243	Sun	952 841 841 11 11 = = 77627 98944 58677 ... 15161 85279 63181 = = 841 841 11 11 952 736 736 48 48 = = 39966 51746 75196 ... 59147 88948 02377 = = 736 736 48 48 00000	CW	(AB-J)
M14	16-7	0500	12211	Mon	952 841 841 11 11 = = 77627 98944 58677 ... 15161 85279 63181 = = 841 841 11 11 952 736 736 48 48 = = 39966 51746 75196 ... 59147 88948 02377 = = 736 736 48 48 00000	CW	(AB-J)
M14	16-7	0520	10243	Mon	952 841 841 11 11 = = 77627 98944 58677 ... 15161 85279 63181 = = 841 841 11 11 952 736 736 48 48 = = 39966 51746 75196 ... 59147 88948 02377 = = 736 736 48 48 00000	CW	(AB-J)
M14	17-7	0500	12211	Thu	952 952 952 00000	CW	(AB-J)
M14	17-7	0520	10243	Thu	952 952 952 00000	CW	(AB-J)
M14	20-7	0500	12211	Sun	952 607 607 51 51 = = 50607 85903 18286 ... 53201 02211 48161 = = 607 607 51 51 00000	CW	(AB-J)
M14	20-7	0524	10243	Sun	952 607 607 51 51 = = 50607 85903 18286 ... 53201 02211 48161 = = 607 607 51 51 00000	CW	(AB-J)
M14	21-7	0500	12211	Mon	952 607 607 51 51 = = 50607 85903 18286 ... 53201 02211 48161 = = 607 607 51 51 00000	CW	(AB-J)
M14	21-7	0524	10243	Mon	952 607 607 51 51 = = 50607 85903 18286 ... 53201 02211 48161 = = 607 607 51 51 00000	CW	(AB-J)
M14	22-7	0500	12211	Sun	952 381 381 26 26 = = 11277 74595 49995 ... 07636 55426 06539 = = 381 381 26 26 952 406 406 31 31 = = 45468 20251 20566 87279 ... 28211 69963 03522 = = 406 406 31 31 00000	CW	(AB-J)
M14	22-7	0520	10243	Sun	952 381 381 26 26 = = 11277 74595 49995 ... 07636 55426 06539 = = 381 381 26 26 952 406 406 31 31 = = 45468 20251 20566 87279 ... 28211 69963 03522 = = 406 406 31 31 00000	CW	(AB-J)
M14	23-7	0500	12211	Mon	952 381 381 26 26 = = 11277 74595 49995 ... 07636 55426 06539 = = 381 381 26 26 952 406 406 31 31 = = 45468 20251 20566 87279 ... 28211 69963 03522 = = 406 406 31 31 no closing nulls	CW	(AB-J)
M14	23-7	0520	10243	Mon	952 381 381 26 26 = = 11277 74595 49995 ... 07636 55426 06539 = = 381 381 26 26 952 406 406 31 31 = = 45468 20251 20566 87279 ... 28211 69963 03522 = = 406 406 31 31 00000	CW	(AB-J)
M14	24-7	0500	12211	Thu	No transmission	CW	(AB-J)
M14	24-7	0520	10243	Thu	952 952 952 00000	CW	(AB-J)
M14	27-7	0500	12211	Sun	952 738 738 51 51 = = 21650 08302 28363 ... 76813 72973 93252 = = 738 7308 51 51 00000	CW	(AB-J)
M14	27-7	0527	10243	Sun	952 738 738 51 51 = = 21650 08302 28363 ... 76813 72973 93252 = = 738 7308 51 51 00000 Late start. Restarts.	CW	(AB-J)
M14	28-7	0500	12211	Mon	952 738 738 51 51 = = 21650 08302 28363 ... 76813 72973 93252 = = 738 7308 51 51 00000	CW	(AB-J)
M14	28-7	0524	10243	Mon	952 738 738 51 51 = = 21650 08302 28363 ... 76813 72973 93252 = = 738 7308 51 51 00000	CW	(AB-J)
M14	29-7	0500	12211	Sun	952 16 146 23 23 = = 19198 41005 36323 ... 22595 67845 34553 = = 146 146 23 23 952 307 307 28 28 = = 15484 07766 41433 ... 45590 91480 65608 = = 307 307 28 28 00000	CW	(AB-J)
M14	29-7	0520	10243	Sun	952 16 146 23 23 = = 19198 41005 36323 ... 22595 67845 34553 = = 146 146 23 23 952 307 307 28 28 = = 15484 07766 41433 ... 45590 91480 65608 = = 307 307 28 28 00000	CW	(AB-J)
M14	30-7	0500	12211	Mon	952 16 146 23 23 = = 19198 41005 36323 ... 22595 67845 34553 = = 146 146 23 23 952	CW	(AB-J)

					307 307 28 28 = = 15484 07766 41433 ... 45590 91480 65608 = = 307 307 28 28 00000		
M14	30-7	0520	10243	Mon	952 16 146 23 23 = = 19198 41005 36323 ... 22595 67845 34553 = = 146 146 23 23 952 307 307 28 28 = = 15484 07766 41433 ... 45590 91480 65608 = = 307 307 28 28 00000	CW	(AB-J)
M14	31-7	0500	12211	Thu	952 952 952 00000	CW	(AB-J)
M14	31-7	0520	10243	Thu	952 952 952 00000	CW	(AB-J)
M23	8-7	1835	6806	Sun	6 and 0 groups	CW	(Pille)
M23	10-7	2110	6806	Thu	0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z	CW	(AB)
M23	11-7	0400	6806	Fri	3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z	CW	(AB)
M23	11-7	2100	6806	Fri	0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z	CW	(AB)
M23	12-7	0400	6806	Sat	3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z	CW	(AB)
M23	12-7	2100	6806	Sat	0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z	CW	(AB)
M23	13-7	0400	6806	Sun	3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z	CW	(AB)
M23	13-7	2100	6806	Sun	0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z	CW	(AB)
M23	14-7	0400	6806	Mon	3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z	CW	(AB)
M23	14-7	2100	6806	Mon	0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z	CW	(AB)
M23	15-7	0400	6806	Sun	3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z	CW	(AB)
M23	15-7	1518	6806	Sun	VVV VVV VVV VVV RP RP RP RP ?? DE KPM MFM KM DE VM VM K K DE RP RP ____ II DE VM VM K K ...	CW	(AB)
M23	15-7	2100	6806	Sun	0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z	CW	(AB)
M23	15-7	2200	6806	Sun	Hourly beep	CW	(AB)
M23	16-7	0300	6806	Mon	Hourly beep	CW	(AB)
M23	16-7	0400	6806	Mon	3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z	CW	(AB)
M23	16-7	0900	6806	Mon	Hourly beep	CW	(AB)
M23	16-7	1600	6806	Mon	Hourly beep	CW	(AB)
M23	16-7	2100	6806	Mon	0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z	CW	(AB)
M23	17-7	0400	6806	Thu	3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z	CW	(AB)
M23	17-7	0800	6806	Thu	Hourly beep	CW	(AB)
M23	17-7	2100	6806	Thu	0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z	CW	(AB)
M23	18-7	0400	6806	Fri	3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z	CW	(AB)
M23	18-7	2100	6806	Fri	0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z	CW	(AB)
M23	19-7	0400	6806	Sat	3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z	CW	(AB)
M23	19-7	1100	6806	Sat	Hourly beep	CW	(AB)
M23	19-7	2100	6806	Sat	0 (R) 6 (R) 0 (R) 6 (R) 0 (R) 6 (R) 0 (R) Off at 2125z	CW	(AB)

M23	20-7	0400	6806	Sun	3 (R) 0 (R) 3 (R) 333000 (R) 33300 (1x) 3330 (1x) 30 (R) 300 (1x) 3300 (R) 33 (1x) 00 (O zero) (R) off at 0425z	CW	(AB)
M42	10-7	0631	11156	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	11156	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	11156	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	11156	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	11156	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	11156	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	11156	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	11156	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	13430	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	13430	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	13430	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	13432	Thu	Russian diplo. Test	Serdolik v2	(RO)
M42	10-7	0631	17534	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	17534	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	17534	Thu	Russian diplo. Test	Serdolik v2	(RO)
M42	10-7	0631	17534	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	17534	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	10-7	0631	17536	Thu	Russian diplo	Serdolik v2	(RO)
M42	10-7	0631	17536	Thu	Russian diplo	Serdolik v2	(RO)
M42	10-7	0631	17536	Thu	Russian diplo	Serdolik v2	(RO)
M42	10-7	0736	14922	Thu	Russian diplo	MFSK-66	(RO)
M42	10-7	0738	16180	Thu	Russian diplo	MFSK-66	(RO)
M42	10-7	0815	12177	Thu	Russian diplo	MFSK-66	(RO)
M42	16-7	1300	16156	Mon	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Header: 11100 70103 19385 16092 04009	FSK CW + FSK 75/500	(AB)
M42	16-7	1300	17442	Mon	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Comes from 18726 kHz	FSK CW + FSK 75/500	(AB-BER)
M42	16-7	1300	18726	Mon	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Message header 11100 70103 98541 16092 04003. After the message freq change to 17442 kHz.	FSK CW + FSK 75/500	(AB-BER)
M42	23-7	1300	16156	Mon	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL QSA4 QSA? QSA4 QSA? UAL UAL USL QSA4 QSA? VVVVVVVVVVVVVV off at 1304z	FSK CW + FSK 75/500	(AB)
M42	27-7	0811	17466	Sun	Russian diplo	Serdolik v2	(RO)
M42	27-7	0819	17466	Sun	Russian diplo. Test	Serdolik v2	(RO)
M42	27-7	0820	19124	Sun	Russian diplo	Serdolik v2	(RO)
M42	28-7	0948	20811	Mon	Russian diplo. Selcal	Serdolik v2	(RO)
M42	28-7	0951	14970	Mon	Russian diplo. Test	Serdolik v2	(RO)
M42	28-7	0953	20811	Mon	Russian diplo. Selcal	Serdolik v2	(RO)
M42	28-7	0957	20815	Mon	Russian diplo	Serdolik v2	(RO)
M42	28-7	1013	20815	Mon	Russian diplo	Serdolik v2	(RO)
M42	30-7	1300	16156	Mon	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL followed by	FSK CW + FSK 75/500	(AB)

					opchat and a message. Header: 11100 70103 19526 30096 04009		
M42b	7-7	0650	11470	Mon	RGY2 wkg RTK2: Russian PtP link. QSX 17475 kHz	FSK 50/500	(TJ)
M42b	7-7	0650	12210	Mon	RWB5: Russian PtP link	FSK 50/500	(TJ)
M42b	7-7	0650	13985	Mon	RRQ6 wkg RNM6: Russian PtP link. QSX 16180 kHz	FSK 50/500	(TJ)
M42b	7-7	0650	14485	Mon	RTK/RTK6 wkg RDI: Russian PtP link. QSX 11080 kHz	FSK 50/500	(TJ)
M42b	7-7	0650	14780	Mon	RWI2 wkg RHK/RHK6: Russian PtP link. QSX 10185 kHz	FSK 50/500	(TJ)
M42b	7-7	0700	9185	Mon	REA wkg RNM2: Russian PtP link. QSX 8195 kHz	FSK 50/500	(TJ)
M42b	7-7	0703	15940	Mon	RPD2 wkg REA9: Russian PtP link. QSX 15870 kHz	FSK 50/500	(TJ)
M42b	7-7	0707	13870	Mon	RVQ6 wkg RVB3: Russian PtP link. QSX 11065 kHz	FSK 50/500	(TJ)
M42b	7-7	0713	5800	Mon	RYF2 wkg RWI: Russian PtP link. QSX 8115 kHz	FSK 50/500	(TJ)
M42b	7-7	0727	5350	Mon	RAU2 wkg RVQ. Russian PtP link. QSX 5145 kHz	FSK 50/500	(TJ)
M51a	10-7	2057	6825	Thu	FAV22 i.p. JAKLG NHDFF 45768 NXHDT...LOAU Y KALI U YHDKL NXBDG 35476...	CW	(RL-G)
M51a	26-7	0700	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages	CW	(AB)
M51a	26-7	0820	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages	CW	(AB)
M51b	13-7	1938	6825	Sun	FAV22 i.p. WXBWG 42763 89210 75648 HDBXF RVCHS...CESHE 45287 EHS GA WBSGM WPUKL ...	CW	(RL-G)
M51b	26-7	0610	3881	Sat	Non-stop 5-character groups	CW	(AB)
M51b	26-7	0610	6825	Sat	Non-stop 5-character groups	CW	(AB)
M89	3-7	1058	4522	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	3-7	1058	5419	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	3-7	1058	9251	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	3-7	1058	13362	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	3-7	1110	8074	Thu	i.p.	CW	(JPL)
M89	3-7	1443	5630	Thu	i.p.	CW	(JPL)
M89	3-7	1446	5407	Thu	i.p.	CW	(JPL)
M89	3-7	1453	5678	Thu	i.p.	CW	(JPL)
M89	3-7	1454	5711	Thu	i.p.	CW	(JPL)
M89	3-7	1510	6645	Thu	i.p.	CW	(JPL)
M89	3-7	1512	6631	Thu	i.p. 0703 2240 RMKS 6811649 TO 56164. =	CW	(JPL)
M89	3-7	1514	6600	Thu	i.p.	CW	(JPL)
M89	3-7	1523	3611	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	4-7	0942	9251	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	4-7	0942	13362	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	4-7	1012	5566	Fri	i.p. NR 042/EX 1802 RMKS ABCD TO 1234 = BBD8/OJHH AR	CW	(JPL)
M89	4-7	1012	5566	Fri	i.p.	CW	(JPL)
M89	9-7	1536	3611	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	9-7	1536	4522	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	9-7	1536	5419	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	9-7	1539	5407	Mon	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	9-7	1610	6640	Mon	i.p.	CW	(JPL)
M89	9-7	1620	4680	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	9-7	1620	4861	Mon	JFG3 DE MNJJ F F NR 447/EX 0024 RMKS 2157 TO 2179 = M3BH/Y1S8 AR F F NR	CW	(JPL)

M89	9-7	1620	6840	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	9-7	1645	4533	Mon	i.p.	CW	(JPL)
M89	10-7	1118	7112	Thu	i.p. NR ... CK 61 20 1007 1900 RMKS CQ =	CW	(JPL)
M89	10-7	1539	3611	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	10-7	1539	4522	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	10-7	1539	5419	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	10-7	1541	5407	Thu	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	10-7	1555	4786	Thu	i.p. 5 figure groups	CW	(JPL)
M89	10-7	1720	4680	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	10-7	1720	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	13-7	1026	7765	Sun	i.p. F F NR/EX 1848 RMKS 4671 TO 2911 = A6C8/B7D4 AR (Other station not	CW	(JPL)
M89	13-7	1058	7015	Sun	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	13-7	1103	3611	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	13-7	1103	4522	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	13-7	1103	5419	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	13-7	1103	9251	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	13-7	1118	6594	Sun	i.p. NR 228 CK 095 25 0713 1915 RMKS 1466 TO 1442 =	CW	(JPL)
M89	13-7	1124	6214	Sun	i.p.	CW	(JPL)
M89	13-7	1218	5382	Sun	G3MY FFF NR 1974/EX 2015 = QBE6/G3H2 AR (x3) QSY 39 QSY 39 VV	CW	(JPL)
M89	13-7	1219	5407	Sun	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	13-7	1222	5555	Sun	i.p.	CW	(JPL)
M89	13-7	1226	5700	Sun	i.p.	CW	(JPL)
M89	13-7	1234	4774	Sun	i.p.	CW	(JPL)
M89	13-7	1234	4774	Sun	i.p.	CW	(JPL)
M89	13-7	1235	4680	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	13-7	1235	6840	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	14-7	2218	4522	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-7	2218	5419	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-7	2218	9251	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-7	2218	13362	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-7	2220	6840	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	14-7	2225	5407	Mon	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	17-7	1021	9251	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	17-7	1021	13362	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	17-7	1026	7015	Thu	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	17-7	1043	3611	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	17-7	1043	4522	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	17-7	1043	5419	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	17-7	1120	4680	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	17-7	1120	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	17-7	1209	5407	Thu	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	17-7	1220	4680	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)

M89	17-7	1220	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	17-7	1510	5475	Thu	i.p. DE QFB7- Working outstations)	CW	(JPL)
M89	17-7	1538	4573	Thu	i.p.	CW	(JPL)
M89	17-7	1546	5566	Thu	i.p.	CW	(JPL)
M89	19-7	0946	9251	Sat	TG1Y (x3) DE X9FW (x2)024/6239 /6111/12/68/6957/635/A AR	CW	(JPL)
M89	19-7	0951	7015	Sat	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	19-7	1005	9251	Sat	TG1Y (x3) DE X9FW (x2) 024/6689/6111/12/68/6917/668/A AR	CW	(JPL)
M89	19-7	1242	5407	Sat	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	19-7	1244	3611	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	19-7	1244	4522	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	19-7	1244	5419	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	19-7	1247	6323	Sat	i.p.	CW	(JPL)
M89	19-7	1249	6416	Sat	i.p. NR.... CK 121 35 81 0719 ..30 RMKS 4855 TO 4666 =	CW	(JPL)
M89	19-7	1253	6454	Sat	i.p. QSL NIL SK GB	CW	(JPL)
M89	19-7	1256	6600	Sat	i.p.	CW	(JPL)
M89	19-7	1302	7510	Sat	i.p.	CW	(JPL)
M89	19-7	1433	7821	Sat	i.p. RMKS 4826 TO 4857 4854 5935 .. =	CW	(JPL)
M89	19-7	1615	5028	Sat	i.p. F F F NR 245/EX 0013 RMKS 5463 TO 5429 = R2K7/8LB4 AR F F F NR 245	CW	(JPL)
M89	19-7	1627	5407	Sat	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K MSG NR 077 CK 499 24 0720 0000 =	CW	(JPL)
M89	19-7	1632	5672	Sat	Y3JI DE N6WX M89 (Repeated)	CW	(JPL)
M89	21-7	1059	3611	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	21-7	1059	4522	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	21-7	1059	5419	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	21-7	1059	9251	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	21-7	1059	13362	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	21-7	1108	6899	Mon	i.p.	CW	(JPL)
M89	21-7	1111	7015	Mon	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	21-7	1115	7877	Mon	i.p.	CW	(JPL)
M89	21-7	1116	7990	Mon	i.p.	CW	(JPL)
M89	21-7	1120	4680	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	21-7	1120	6840	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	21-7	1139	9049	Mon	i.p. Both stns on this freq	CW	(JPL)
M89	21-7	1203	5700	Mon	i.p.	CW	(JPL)
M89	21-7	1205	5663	Mon	i.p.	CW	(JPL)
M89	21-7	1209	4593	Mon	i.p.	CW	(JPL)
M89	21-7	1220	4680	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	21-7	1220	6840	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	21-7	1513	3272	Mon	i.p. NR .. CK 121 20 0721 2225 RMKS 01.7 TO 0.40 =	CW	(JPL)
M89	21-7	1520	4397	Mon	i.p. NR 56/EX 2322 RMKS 1781 TO 1788 = Q3M/E2A AR	CW	(JPL)
M89	21-7	1520	4680	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	21-7	1520	6840	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	21-7	1527	5036	Mon	i.p. F F F NR 4047/EX 2325 RMKS 2903 TO 2980 = P5X4/L2D9 AR	CW	(JPL)

M89	21-7	1541	9049	Mon	i.p. NR 224 CK 201 46 0721 2120 RMKS 8930 TO 5545 =	CW	(JPL)
M89	21-7	1545	9680	Mon	i.p.	CW	(JPL)
M89	21-7	1645	4946	Mon	i.p. NR 181 CK 91 08 0722 0010 RMKS 4586 TO 4666 =	CW	(JPL)
M89	21-7	1711	6618	Mon	i.p.	CW	(JPL)
M89	21-7	1714	6854	Mon	i.p. RMKS 4792 .271 TO 4702 279 = (Possibly the other end of 6618)	CW	(JPL)
M89	22-7	1715	3611	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	22-7	1715	4522	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	22-7	1715	5419	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	22-7	1719	4145	Sun	i.p.	CW	(JPL)
M89	22-7	1733	4342	Sun	i.p.	CW	(JPL)
M89	22-7	1745	4680	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	22-7	1745	6840	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	22-7	1749	5407	Sun	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	23-7	1119	8436	Mon	i.p.	CW	(JPL)
M89	23-7	1125	9190	Mon	i.p.	CW	(JPL)
M89	23-7	1127	3611	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-7	1127	4522	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-7	1127	5419	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-7	1127	9251	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-7	1127	13362	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-7	1129	5407	Mon	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	26-7	1035	9251	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	26-7	1035	13362	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	26-7	1044	6975	Sat	i.p.	CW	(JPL)
M89	26-7	1105	4861	Sat	i.p. MNJ1 working outstations: F F F NR 22/EX 1910 RMKS CQ = 21./T17 AR	CW	(JPL)
M89	26-7	1115	3611	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	26-7	1115	4522	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	26-7	1115	4522	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	26-7	1115	5419	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	26-7	1115	9251	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	26-7	1115	13362	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	26-7	1118	7015	Sat	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	26-7	1120	4680	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	26-7	1120	6840	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	26-7	1128	5019	Sat	i.p. Both stns on this freq NR 001 CK 81 10 0726 1925 RMKS 6883 TO 6880	CW	(JPL)
M89	26-7	1154	5416	Sat	i.p. NR 3026 CK 73 89 0706 1940 RMKS 2324 TO 2359 =	CW	(JPL)
M89	26-7	1208	5124	Sat	i.p.	CW	(JPL)
M89	26-7	1211	5176	Sat	i.p.	CW	(JPL)
M89	26-7	1220	4680	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	26-7	1220	6840	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	26-7	1457	4705	Sat	i.p.	CW	(JPL)
M89	26-7	1505	4258	Sat	i.p. NR CK .. 53 0706 2020 RMKS 0436 TO 0475 =	CW	(JPL)

M89	26-7	1508	4593	Sat	Y7G3 woking outstations	CW	(JPL)
M89	26-7	1515	5407	Sat	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K CQ3W 189. TO 865/4999 UGNT MM 2653	CW	(JPL)
M89	26-7	1835	4482	Sat	i.p.	CW	(JPL)
M89	26-7	1840	5665	Sat	i.p. /DEF2 AR F F NR 249/EX 0241 RMKS 0436 TO 0329 = IUD2/JED1 AR NR 250	CW	(JPL)
M89	27-7	1140	5131	Sun	i.p.	CW	(JPL)
M89	27-7	1142	5340	Sun	i.p.	CW	(JPL)
M89	27-7	1219	6660	Sun	i.p. NR 415 SK	CW	(JPL)
M89	27-7	1223	6749	Sun	i.p. RMKS 7333 TO 9333 K	CW	(JPL)
M89	27-7	1227	7015	Sun	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	27-7	1237	8434	Sun	i.p. Both stns on this freq NIL SK	CW	(JPL)
M89	28-7	0956	9251	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	28-7	0956	13362	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	28-7	1018	5836	Mon	i.p.	CW	(JPL)
M89	28-7	1020	6840	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	28-7	1020	8290	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	28-7	1026	7015	Mon	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	28-7	1109	6472	Mon	i.p.	CW	(JPL)
M89	28-7	1120	4680	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	28-7	1120	6840	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	28-7	1122	5667	Mon	i.p. Both stns on this freq NR 2500 CK 191 54 0728 1845 RMKS 8741 TO 875	CW	(JPL)
M89	28-7	1532	3611	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	28-7	1532	4522	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	28-7	1532	5419	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	28-7	1536	6875	Mon	i.p.	CW	(JPL)
M89	28-7	1547	5407	Mon	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	30-7	1018	5419	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	30-7	1018	9251	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	30-7	1018	13362	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	30-7	1020	6840	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	30-7	1020	8290	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	30-7	1030	9431	Mon	PRJ8 (X3) DE YDBX (X2) = (X2) QSY 32569 (X2) YDBX DE PRJ8 QSA 3 (1037z)	CW	(JPL)
M89	30-7	1043	7923	Mon	i.p. F NR 0364/EX 1841 RMKS CQ = JEL/Y AR (IRS9 working outstations on a	CW	(JPL)
M89	30-7	1102	5670	Mon	i.p.	CW	(JPL)
M89	30-7	1105	4222	Mon	i.p.	CW	(JPL)
M89	30-7	1106	3611	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	30-7	1106	4522	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	30-7	1106	5419	Mon	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	30-7	1109	5407	Mon	V AA8V (x3) DE HJRA (x2) (R5) QSA ? K	CW	(JPL)
M89	30-7	1110	5367	Mon	i.p.	CW	(JPL)
M89	30-7	1114	4796	Mon	i.p.	CW	(JPL)
M89	30-7	1120	4680	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	30-7	1120	6840	Mon	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)

M89	30-7	1123	6843	Mon	i.p.	CW	(JPL)
M89	30-7	1157	4222	Mon	i.p.	CW	(JPL)
M89	30-7	1205	5526	Mon	i.p. Both stns on this freq	CW	(JPL)
M89	30-7	1213	6693	Mon	i.p.	CW	(JPL)
M89	30-7	1215	6960	Mon	i.p.	CW	(JPL)
M89	30-7	1218	7592	Mon	i.p.	CW	(JPL)
M89	30-7	1527	7820	Mon	i.p.	CW	(JPL)
M89	30-7	1529	7474	Mon	i.p.	CW	(JPL)
M89	30-7	1533	5850	Mon	i.p.	CW	(JPL)
M89	30-7	1546	3456	Mon	i.p. F F NR 241/EX 2341 RMKS 6419 TO 1658 = IDU2/W8Z AR	CW	(JPL)
M89	30-7	1610	4955	Mon	i.p.	CW	(JPL)
M89	31-7	1048	8436	Thu	i.p.	CW	(JPL)
M89	31-7	1050	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M89	31-7	1055	3611	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	31-7	1055	4522	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	31-7	1055	5419	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	31-7	1055	9251	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	31-7	1055	13362	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	31-7	1106	10898	Thu	i.p.	CW	(JPL)
M89	31-7	1116	10185	Thu	i.p.	CW	(JPL)
M89	31-7	1120	4680	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	31-7	1120	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	31-7	1155	4522	Thu	X9FW i.p. /631/A	CW	(JPL)
M89	31-7	1620	4680	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	31-7	1620	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M95	3-7	1056	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	3-7	1105	8039	Thu	i.p. NR 127/CCK CK 142 25 0703 1900 RMKS RZV TO AB4 K	CW	(JPL)
M95	3-7	1517	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	3-7	1517	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	4-7	0940	11475	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	4-7	1045	5888	Fri	i.p. NR 0370/CCK CK 91 24 0704 1530 RMKS ZAF0 TO ZABN K	CW	(JPL)
M95	9-7	1543	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	9-7	1543	6886	Mon	V WCJJ (x3) DE HBDD (x2) (	CW	(JPL)
M95	10-7	1106	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	10-7	1107	7022	Thu	i.p. NR ...CCK CK 15 .. 1007 1900 RMKS 2954 TO 2428 TO 2436 TO 0484 =	CW	(JPL)
M95	10-7	1151	6352	Thu	NR 20 CK 147 35 0710 1545 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	13-7	1154	6352	Sun	NR 091 CK 65 35 0713 1532 = NR 26 CK 156 35 0713 1539 = //9040, 6352, 4156 kHz	CW	(JPL)
M95	14-7	1253	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	14-7	2317	6516	Mon	ZNN SK - BNEC DE XS24 //9392, 6516, 4225 kHz	CW	(JPL)
M95	17-7	1111	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	17-7	1111	6557	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	17-7	1138	6876	Thu	BNGC DE XS30 NR 0563 CK 284 35 0717 1542 = //4542 kHz	CW	(JPL)

M95	17-7	1149	6352	Thu	NR 099 CK 26 35 0717 1509 = NR 065 CK 19 35 0717 1536 = NR 34 CK 180 35 0717 1536 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	17-7	1553	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	17-7	1553	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	19-7	0935	11475	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	19-7	1258	3903	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	19-7	1258	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	21-7	1055	11475	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	21-7	1137	6876	Mon	BNGC DE XS30 NR 0571 CK 249 35 0721 1549 = //4542 kHz	CW	(JPL)
M95	21-7	1149	6352	Mon	NR 087 CK 17 35 0721 1455 = NR 008 CK 17 35 0721 1500 = NR 42 CK 119 35 0721 1601 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	21-7	1508	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	21-7	1508	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	22-7	1718	3903	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	22-7	1718	6886	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	22-7	1725	4268	Sun	V DHFG (x3) DE M7LV (x3)	CW	(JPL)
M95	23-7	1150	6876	Mon	BNGC DE XS30 NR 0576 CK ... 35 0723 1627 = //4542 kHz	CW	(JPL)
M95	23-7	1154	6352	Mon	NR 46 CK 132 35 0723 1521 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	23-7	1200	6557	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-7	1200	11475	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-7	1533	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-7	1533	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	26-7	1140	6876	Sat	BNGC DE XS30 //4542 kHz	CW	(JPL)
M95	26-7	1143	6876	Sat	BNGC DE XS30 NR 0592 CK 049 35 0726 1513 = NR 0593 CK ... 35 0726 15.. = //4542 kHz	CW	(JPL)
M95	26-7	1148	6352	Sat	Message //9042, 6352, 4156 kHz	CW	(JPL)
M95	26-7	1150	6352	Sat	NR 12 CK 182 35 0706 1552 = //9040, 6352, 4156 kHz	CW	(JPL)
M95	26-7	1226	4827	Sat	i.p. NR 007/CCK CK 199 95 0706 2000 RMKS 7144 TO 7172 =	CW	(JPL)
M95	26-7	1832	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	27-7	1146	5415	Sun	NR 667/CCK CK 91 36 0727 1925 RMKS 7042 TO 7567 K	CW	(JPL)
M95	28-7	1138	6876	Mon	BNGC DE XS30 NR 0599 CK 281 35 0727 1641 K //4542 kHz	CW	(JPL)
M95	28-7	1535	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	30-7	1138	6876	Mon	BNGC DE XS30 NR 0603 CK 254 35 0730 1451 = //4542 kHz	CW	(JPL)
M95	30-7	1156	9042	Mon	NR 026 CK 41 35 0730 1504 = NR 60 CK 108 35 0730 1540 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	30-7	1539	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	30-7	1539	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	31-7	1130	6876	Thu	BNGC DE XS30 NR 0605 CK ... 35 0731 = //4542 kHz	CW	(JPL)
M95	31-7	1140	9042	Thu	NR 62 CK 212 35 0731 1515 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	31-7	1626	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
P03	1-7	1100	7727	Sun	Polish intel.	PSK	(AB)
P03	1-7	1105	7727	Sun	Polish intel.	PSK	(AB)
P03	1-7	1310	13427	Sun	Polish intel.	PSK	(AB)
P03	1-7	1315	13427	Sun	Polish intel.	PSK	(AB)

P03	2-7	1950	8759	Mon	Polish intel.	PSK	(AB)
P03	2-7	1955	8759	Mon	Polish intel.	PSK	(AB)
P03	3-7	0530	7894	Thu	Polish intel.	PSK	(AB)
P03	3-7	0535	7894	Thu	Polish intel.	PSK	(AB)
P03	3-7	1100	9399	Thu	Polish intel.	PSK	(AB)
P03	3-7	1105	9399	Thu	Polish intel.	PSK	(AB)
P03	3-7	1500	9179	Thu	Polish intel.	PSK	(AB)
P03	3-7	1500	9179	Thu	Polish intel.	PSK	(AB)
P03	3-7	1515	20167	Thu	Polish intel.	PSK	(AB)
P03	3-7	1515	20167	Thu	Polish intel.	PSK	(AB)
P03	4-7	1020	7504	Fri	Polish intel.	PSK	(AB)
P03	4-7	1025	7504	Fri	Polish intel.	PSK	(AB)
P03	4-7	1245	6304	Fri	Polish intel.	PSK	(AB)
P03	4-7	1250	6304	Fri	Polish intel.	PSK	(AB)
P03	5-7	0530	7894	Sat	Polish intel.	PSK	(AB)
P03	5-7	0535	7894	Sat	Polish intel.	PSK	(AB)
P03	5-7	1020	7504	Sat	Polish intel.	PSK	(AB)
P03	5-7	1025	7504	Sat	Polish intel.	PSK	(AB)
P03	5-7	1100	9399	Sat	Polish intel.	PSK	(AB)
P03	5-7	1105	9399	Sat	Polish intel.	PSK	(AB)
P03	5-7	1220	18168	Sat	Polish intel.	PSK	(AB)
P03	5-7	1225	18168	Sat	Polish intel.	PSK	(AB)
P03	5-7	1245	6304	Sat	Polish intel.	PSK	(AB)
P03	5-7	1250	6304	Sat	Polish intel.	PSK	(AB)
P03	5-7	1515	20167	Sat	Polish intel.	PSK	(AB)
P03	5-7	1515	20167	Sat	Polish intel.	PSK	(AB)
P03	5-7	1950	8759	Sat	Polish intel.	PSK	(AB)
P03	5-7	1955	8759	Sat	Polish intel.	PSK	(AB)
P03	7-7	1100	7727	Mon	Polish intel.	PSK	(AB)
P03	7-7	1105	7727	Mon	Polish intel.	PSK	(AB)
P03	7-7	1500	9179	Mon	Polish intel.	PSK	(AB)
P03	7-7	1500	9179	Mon	Polish intel.	PSK	(AB)
P03	7-7	1725	14410	Mon	Polish intel.	PSK	(AB)
P03	7-7	1730	14410	Mon	Polish intel.	PSK	(AB)
P03	8-7	1100	7727	Sun	Polish intel.	PSK	(AB)
P03	8-7	1105	7727	Sun	Polish intel.	PSK	(AB)
P03	8-7	1310	13427	Sun	Polish intel.	PSK	(AB)
P03	8-7	1315	13427	Sun	Polish intel.	PSK	(AB)
P03	9-7	1950	8759	Mon	Polish intel.	PSK	(AB)
P03	9-7	1955	8759	Mon	Polish intel.	PSK	(AB)
P03	10-7	0530	7894	Thu	Polish intel.	PSK	(AB)
P03	10-7	0535	7894	Thu	Polish intel.	PSK	(AB)

P03	10-7	1100	9399	Thu	Polish intel.	PSK	(AB)
P03	10-7	1105	9399	Thu	Polish intel.	PSK	(AB)
P03	10-7	1500	9179	Thu	Polish intel.	PSK	(AB)
P03	10-7	1500	9179	Thu	Polish intel.	PSK	(AB)
P03	10-7	1515	20167	Thu	Polish intel.	PSK	(AB)
P03	10-7	1515	20167	Thu	Polish intel.	PSK	(AB/RL-G)
P03	11-7	1020	7504	Fri	Polish intel.	PSK	(AB)
P03	11-7	1025	7504	Fri	Polish intel.	PSK	(AB)
P03	11-7	1245	6304	Fri	Polish intel.	PSK	(AB)
P03	11-7	1250	6304	Fri	Polish intel.	PSK	(AB)
P03	11-7	1310	13427	Fri	Polish intel.	PSK	(AB)
P03	11-7	1315	13427	Fri	Polish intel.	PSK	(AB)
P03	12-7	0530	7894	Sat	Polish intel.	PSK	(AB)
P03	12-7	0535	7894	Sat	Polish intel.	PSK	(AB)
P03	12-7	1020	7504	Sat	Polish intel.	PSK	(AB)
P03	12-7	1025	7504	Sat	Polish intel.	PSK	(AB)
P03	12-7	1100	9399	Sat	Polish intel.	PSK	(AB)
P03	12-7	1105	9399	Sat	Polish intel.	PSK	(AB)
P03	12-7	1220	18168	Sat	Polish intel.	PSK	(AB)
P03	12-7	1225	18168	Sat	Polish intel.	PSK	(AB)
P03	12-7	1245	6304	Sat	Polish intel.	PSK	(AB)
P03	12-7	1250	6304	Sat	Polish intel.	PSK	(AB)
P03	12-7	1725	14410	Sat	Polish intel.	PSK	(AB)
P03	12-7	1730	14410	Sat	Polish intel.	PSK	(AB)
P03	12-7	1950	8759	Sat	Polish intel.	PSK	(AB/RL-G)
P03	12-7	1955	8759	Sat	Polish intel.	PSK	(AB)
P03	14-7	1100	7727	Mon	Polish intel.	PSK	(AB)
P03	14-7	1105	7727	Mon	Polish intel.	PSK	(AB)
P03	14-7	1500	9179	Mon	Polish intel.	PSK	(AB)
P03	14-7	1500	9179	Mon	Polish intel.	PSK	(AB)
P03	14-7	1725	14410	Mon	Polish intel.	PSK	(AB)
P03	14-7	1730	14410	Mon	Polish intel.	PSK	(AB)
P03	15-7	1100	7727	Sun	Polish intel.	PSK	(AB)
P03	15-7	1105	7727	Sun	Polish intel.	PSK	(AB)
P03	15-7	1310	13427	Sun	Polish intel.	PSK	(AB)
P03	15-7	1315	13427	Sun	Polish intel.	PSK	(AB)
P03	16-7	1950	8759	Mon	Polish intel.	PSK	(AB)
P03	16-7	1955	8759	Mon	Polish intel.	PSK	(AB)
P03	17-7	0530	7894	Thu	Polish intel.	PSK	(AB)
P03	17-7	0535	7894	Thu	Polish intel.	PSK	(AB)
P03	17-7	1100	9399	Thu	Polish intel.	PSK	(AB)
P03	17-7	1105	9399	Thu	Polish intel.	PSK	(AB)

P03	17-7	1500	9179	Thu	Polish intel.	PSK	(AB)
P03	17-7	1500	9179	Thu	Polish intel.	PSK	(AB)
P03	17-7	1515	20167	Thu	Polish intel.	PSK	(AB)
P03	17-7	1515	20167	Thu	Polish intel.	PSK	(AB)
P03	18-7	1020	7504	Fri	Polish intel.	PSK	(AB)
P03	18-7	1025	7504	Fri	Polish intel.	PSK	(AB)
P03	18-7	1245	6304	Fri	Polish intel.	PSK	(AB)
P03	18-7	1250	6304	Fri	Polish intel.	PSK	(AB)
P03	18-7	1310	13427	Fri	Polish intel.	PSK	(AB)
P03	18-7	1315	13427	Fri	Polish intel.	PSK	(AB)
P03	19-7	0530	7894	Sat	Polish intel.	PSK	(AB)
P03	19-7	0535	7894	Sat	Polish intel.	PSK	(AB)
P03	19-7	1020	7504	Sat	Polish intel.	PSK	(AB)
P03	19-7	1025	7504	Sat	Polish intel.	PSK	(AB)
P03	19-7	1100	9399	Sat	Polish intel.	PSK	(AB)
P03	19-7	1105	9399	Sat	Polish intel.	PSK	(AB)
P03	19-7	1220	18168	Sat	Polish intel.	PSK	(AB)
P03	19-7	1225	18168	Sat	Polish intel.	PSK	(AB)
P03	19-7	1245	6304	Sat	Polish intel.	PSK	(AB)
P03	19-7	1250	6304	Sat	Polish intel.	PSK	(AB)
P03	19-7	1515	20167	Sat	Polish intel.	PSK	(AB)
P03	19-7	1515	20167	Sat	Polish intel.	PSK	(AB)
P03	19-7	1725	14410	Sat	Polish intel.	PSK	(AB)
P03	19-7	1730	14410	Sat	Polish intel.	PSK	(AB)
P03	19-7	1950	8759	Sat	Polish intel.	PSK	(AB)
P03	19-7	1955	8759	Sat	Polish intel.	PSK	(AB)
P03	20-7	1220	18168	Sun	Polish intel.	PSK	(AB)
P03	20-7	1225	18168	Sun	Polish intel.	PSK	(AB)
P03	21-7	1100	7727	Mon	Polish intel.	PSK	(AB)
P03	21-7	1105	7727	Mon	Polish intel.	PSK	(AB)
P03	21-7	1500	9179	Mon	Polish intel.	PSK	(AB)
P03	21-7	1500	9179	Mon	Polish intel.	PSK	(AB)
P03	21-7	1725	14410	Mon	Polish intel.	PSK	(AB)
P03	21-7	1730	14410	Mon	Polish intel.	PSK	(AB)
P03	22-7	1100	7727	Sun	Polish intel.	PSK	(AB)
P03	22-7	1105	7727	Sun	Polish intel.	PSK	(AB)
P03	22-7	1310	13427	Sun	Polish intel.	PSK	(AB)
P03	22-7	1315	13427	Sun	Polish intel.	PSK	(AB)
P03	23-7	1950	8759	Mon	Polish intel.	PSK	(AB)
P03	23-7	1955	8759	Mon	Polish intel.	PSK	(AB)
P03	24-7	0530	7894	Thu	Polish intel.	PSK	(AB)
P03	24-7	0535	7894	Thu	Polish intel.	PSK	(AB)

P03	24-7	1100	9399	Thu	Polish intel.	PSK	(AB)
P03	24-7	1105	9399	Thu	Polish intel.	PSK	(AB)
P03	24-7	1500	9179	Thu	Polish intel.	PSK	(AB)
P03	24-7	1500	9179	Thu	Polish intel.	PSK	(AB)
P03	24-7	1500	9179	Thu	Polish intel.	PSK	(AB)
P03	24-7	1500	9179	Thu	Polish intel.	PSK	(AB)
P03	24-7	1515	20167	Thu	Polish intel.	PSK	(AB)
P03	24-7	1515	20167	Thu	Polish intel.	PSK	(AB)
P03	25-7	1020	7504	Fri	Polish intel.	PSK	(AB)
P03	25-7	1025	7504	Fri	Polish intel.	PSK	(AB)
P03	25-7	1245	6304	Fri	Polish intel.	PSK	(AB)
P03	25-7	1250	6304	Fri	Polish intel.	PSK	(AB)
P03	25-7	1310	13427	Fri	Polish intel.	PSK	(AB)
P03	25-7	1315	13427	Fri	Polish intel.	PSK	(AB)
P03	26-7	0530	7894	Sat	Polish intel.	PSK	(AB)
P03	26-7	0535	7894	Sat	Polish intel.	PSK	(AB)
P03	26-7	1020	7504	Sat	Polish intel.	PSK	(AB)
P03	26-7	1025	7504	Sat	Polish intel.	PSK	(AB)
P03	26-7	1100	9399	Sat	Polish intel.	PSK	(AB)
P03	26-7	1105	9399	Sat	Polish intel.	PSK	(AB)
P03	26-7	1220	18168	Sat	Polish intel.	PSK	(AB)
P03	26-7	1225	18168	Sat	Polish intel.	PSK	(AB)
P03	26-7	1245	6304	Sat	Polish intel.	PSK	(AB)
P03	26-7	1250	6304	Sat	Polish intel.	PSK	(AB)
P03	26-7	1515	20167	Sat	Polish intel.	PSK	(AB)
P03	26-7	1515	20167	Sat	Polish intel.	PSK	(AB)
P03	26-7	1725	14410	Sat	Polish intel.	PSK	(AB)
P03	26-7	1730	14410	Sat	Polish intel.	PSK	(AB)
P03	26-7	1950	8759	Sat	Polish intel.	PSK	(AB)
P03	26-7	1955	8759	Sat	Polish intel.	PSK	(AB)
P03	27-7	1220	18168	Sun	Polish intel.	PSK	(AB)
P03	27-7	1225	18168	Sun	Polish intel.	PSK	(AB)
P03	28-7	1100	7727	Mon	Polish intel.	PSK	(AB)
P03	28-7	1105	7727	Mon	Polish intel.	PSK	(AB)
P03	28-7	1500	9179	Mon	Polish intel.	PSK	(AB)
P03	28-7	1500	9179	Mon	Polish intel.	PSK	(AB)
P03	28-7	1725	14410	Mon	Polish intel.	PSK	(AB)
P03	28-7	1730	14410	Mon	Polish intel.	PSK	(AB)
P03	29-7	1100	7727	Sun	Polish intel.	PSK	(AB)
P03	29-7	1105	7727	Sun	Polish intel.	PSK	(AB)
P03	29-7	1310	13427	Sun	Polish intel.	PSK	(AB)
P03	29-7	1315	13427	Sun	Polish intel.	PSK	(AB)

P03	30-7	1950	8759	Mon	Polish intel.	PSK	(AB)
P03	30-7	1955	8759	Mon	Polish intel.	PSK	(AB)
P03	31-7	0530	7894	Thu	Polish intel.	PSK	(AB)
P03	31-7	0535	7894	Thu	Polish intel.	PSK	(AB)
P03	31-7	1100	9399	Thu	Polish intel.	PSK	(AB)
P03	31-7	1105	9399	Thu	Polish intel.	PSK	(AB)
P03	31-7	1515	20167	Thu	Polish intel.	PSK	(AB)
P03	31-7	1515	20167	Thu	Polish intel.	PSK	(AB)
P03j	1-7	0630	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	1-7	0635	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	1-7	1316	16335	Sun	Polish intel. Late start	QPSK 100Bd/504bp	(AB)
P03j	1-7	1321	16335	Sun	Polish intel. Late start	QPSK 100Bd/504bp	(AB)
P03j	6-7	0630	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6-7	0635	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	8-7	0630	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	8-7	0635	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	8-7	1316	16335	Sun	Polish intel. Late start	QPSK 100Bd/504bp	(AB)
P03j	8-7	1321	16335	Sun	Polish intel. Late start	QPSK 100Bd/504bp	(AB)
P03j	13-7	0630	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	13-7	0635	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	15-7	0630	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	15-7	0635	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	15-7	1315	16335	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	15-7	1320	16335	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17-7	1315	16335	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17-7	1320	16335	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-7	0630	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-7	0635	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	22-7	0630	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	22-7	0635	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	22-7	1315	16335	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	22-7	1320	16335	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	24-7	1315	16335	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	24-7	1320	16335	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-7	0630	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-7	0635	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	29-7	0630	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	29-7	0635	17535	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	29-7	1315	16335	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	29-7	1320	16335	Sun	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	31-7	1315	16335	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	31-7	1320	16335	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)

P03k	1-7	1730	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-7	1735	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-7	0630	8196	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-7	0630	8196	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-7	1730	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-7	1735	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	1730	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	1735	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-7	0630	8196	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-7	0630	8196	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-7	1730	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-7	1735	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-7	1730	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-7	1735	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-7	0630	8196	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-7	0630	8196	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-7	1230	22998	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-7	1235	22998	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-7	1730	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-7	1735	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-7	1730	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-7	1735	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-7	0630	8196	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-7	0630	8196	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-7	1230	22998	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-7	1235	22998	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-7	1730	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-7	1735	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-7	1730	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-7	1735	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	1-7	1345	13424	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-7	1350	13424	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-7	1200	10629	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-7	1205	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	3-7	1345	13424	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	3-7	1350	13424	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-7	1200	9968	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-7	1205	9968	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-7	1345	13424	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-7	1350	13424	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-7	1200	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-7	1205	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-7	1345	13424	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-7	1350	13424	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-7	1200	9968	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-7	1205	9968	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-7	1345	13424	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-7	1350	13424	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-7	1200	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-7	1205	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-7	1345	13424	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-7	1350	13424	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-7	1200	9968	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-7	1205	9968	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-7	1345	13424	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-7	1350	13424	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-7	1200	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-7	1205	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-7	1345	13424	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-7	1350	13424	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-7	1200	9968	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-7	1205	9968	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-7	1345	13424	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-7	1350	13424	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-7	1200	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-7	1205	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-7	1345	13424	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-7	1350	13424	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	1-7	1400	9368	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-7	1410	8185	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-7	1420	7704	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-7	1430	6872	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-7	1440	5861	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-7	1450	5386	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-7	1400	9368	Sat	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-7	1410	8185	Sat	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	29-7	1420	7704	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-7	1430	6872	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-7	1440	5861	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-7	1450	5386	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	3-7	1115	5659.25	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	3-7	1459		Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	9-7	1552	4297	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	9-7	1552	4297	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	10-7	1131	6876	Thu	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	10-7	1202	3169	Thu	XYXYXYXYXY HR TRY LL 4482 1859 6282 ... 0435 3445 1804 QSL?: followed by opchat and a 188-110A variant	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-7	1131	6876	Sun	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-7	1222	5565.5	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-7	1131	6876	Thu	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-7	1142	6352	Thu	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-7	1210	5457.75	Thu	WB66---1XPA 1213 0030 4620 6320 8741 5446 7335 7880 6990 3917 ...	4+4 QPSK 75/1000 LSB	(JPL)
Q26	21-7	1101		Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	21-7	1131	6876	Mon	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	21-7	1142	6352	Mon	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-7	1131	6876	Mon	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-7	1132	4338	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	26-7	1053	5457.6	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	26-7	1132	6876	Sat	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	26-7	1142	6352	Sat	Message //9040, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	26-7	1143	6876	Sat	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	27-7	1201	5602.75	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-7	1134		Mon	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	30-7	1130	6876	Mon	Message // 4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	30-7	1143	9042	Mon	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	30-7	1209	6425	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	31-7	1130	6876	Thu	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	31-7	1140	9042	Thu	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
S06	1-7	0400	11616	Sun	480 295 17 31790 25993 76078 ... 45242 19748 96514 295 17 480 761 33 36357 76571 42355 ... 50117 62544 30390 761 33 00000	USB	(Subilo)
S06	1-7	0420	9322	Sun	480 295 17 31790 25993 76078 ... 45242 19748 96514 295 17 480 761 33 36357 76571 42355 ... 50117 62544 30390 761 33 00000	USB	(Subilo)
S06	2-7	0400	11616	Mon	480 295 17 31790 25993 76078 ... 45242 19748 96514 295 17 480 761 33 36357 76571	USB	(Subilo)

					42355 ... 50117 62544 30390 761 33 00000		
S06	2-7	0420	9322	Mon	480 295 17 31790 25993 76078 ... 45242 19748 96514 295 17 480 761 33 36357 76571 42355 ... 50117 62544 30390 761 33 00000	USB	(Subilo)
S06	3-7	0400	11616	Thu	480 480 480 00000	USB	(Subilo)
S06	3-7	0420	9322	Thu	480 480 480 00000	USB	(Subilo)
S06	3-7	2000	11149	Thu	842 842 842 00000	USB	(AB)
S06	3-7	2100	9205	Thu	842 842 842 00000	USB	(AB)
S06	6-7	0400	11616	Sun	480 935 60 53133 19548 09094 ... 60306 57397 78599 935 60 00000	USB	(Subilo)
S06	6-7	0420	9322	Sun	480 935 60 53133 19548 09094 ... 60306 57397 78599 935 60 00000	USB	(Subilo)
S06	6-7	1309	11073	Sun	352 48447 06418 01070 54703 31582 681 40 00000 followed a +20 minute transmission that also ended	USB	(Lac)
S06	7-7	0400	11616	Mon	480 935 60 53133 19548 09094 ... 60306 57397 78599 935 60 00000	USB	(Subilo)
S06	7-7	0420	9322	Mon	480 935 60 53133 19548 09094 ... 60306 57397 78599 935 60 00000	USB	(Subilo)
S06	8-7	0400	11616	Sun	480 319 25 62274 54811 93904 ... 61397 56131 18741 319 25 480 627 31 14072 22664 26531 ... 97744 97926 67515 627 31 00000	USB	(Subilo)
S06	8-7	0420	9322	Sun	480 319 25 62274 54811 93904 ... 61397 56131 18741 319 25 480 627 31 14072 22664 26531 ... 97744 97926 67515 627 31 00000	USB	(Subilo)
S06	9-7	0400	11616	Mon	480 319 25 62274 54811 93904 ... 61397 56131 18741 319 25 480 627 31 14072 22664 26531 ... 97744 97926 67515 627 31 00000	USB	(Subilo)
S06	9-7	0420	9322	Mon	480 319 25 62274 54811 93904 ... 61397 56131 18741 319 25 480 627 31 14072 22664 26531 ... 97744 97926 67515 627 31 00000	USB	(Subilo)
S06	10-7	0400	11616	Thu	480 480 480 00000	USB	(Subilo)
S06	10-7	0420	9322	Thu	480 480 480 00000	USB	(Subilo)
S06	13-7	0400	11616	Sun	480 572 50 74984 87691 08709 ... 71883 28381 54314 572 50 00000	USB	(AB/Subilo)
S06	13-7	0420	9322	Sun	480 572 50 74984 87691 08709 ... 71883 28381 54314 572 50 00000	USB	(AB/Subilo)
S06	15-7	0400	11616	Sun	480 925 23 99900 63950 13094 ... 00387 11311 40453 925 23 480 631 25 40019 01098 61277 ... 60475 45406 44183 631 25 00000	USB	(Subilo)
S06	15-7	0420	9322	Sun	480 925 23 99900 63950 13094 ... 00387 11311 40453 925 23 480 631 25 40019 01098 61277 ... 60475 45406 44183 631 25 00000	USB	(Subilo)
S06	16-7	0400	11616	Mon	480 925 23 99900 63950 13094 ... 00387 11311 40453 925 23 480 631 25 40019 01098 61277 ... 60475 45406 44183 631 25 00000	USB	(Subilo)
S06	16-7	0420	9322	Mon	480 925 23 99900 63950 13094 ... 00387 11311 40453 925 23 480 631 25 40019 01098 61277 ... 60475 45406 44183 631 25 00000	USB	(Subilo)
S06	17-7	0400	11616	Thu	480 480 480 00000	USB	(Subilo)
S06	17-7	0420	9322	Thu	480 480 480 00000	USB	(Subilo)
S06	17-7	2000	11149	Thu	842 842 842 00000	USB	(AB/Lac)
S06	17-7	2100	9205	Thu	842 842 842 00000	USB	(AB)
S06	20-7	0400	11616	Sun	480 176 52 27892 38137 79384 ... 52552 81839 39371 176 62 00000	USB	(Subilo)
S06	20-7	0420	9322	Sun	480 176 52 27892 38137 79384 ... 52552 81839 39371 176 62 00000	USB	(Subilo)
S06	21-7	0400	11616	Mon	480 176 52 27892 38137 79384 ... 52552 81839 39371 176 62 00000	USB	(Subilo)
S06	21-7	0420	9322	Mon	480 176 52 27892 38137 79384 ... 52552 81839 39371 176 62 00000	USB	(Subilo)
S06	22-7	0400	11616	Sun	480 392 14 08146 21742 66713 ... 44965 83632 56323 392 14 480 716 40 13543 81120	USB	(Subilo)

					27786 ... 61871 66987 59716 716 40 00000		
S06	22-7	0420	9322	Sun	480 392 14 08146 21742 66713 ... 44965 83632 56323 392 14 480 716 40 13543 81120 27786 ... 61871 66987 59716 716 40 00000	USB	(Subilo)
S06	23-7	0400	11616	Mon	480 392 14 08146 21742 66713 ... 44965 83632 56323 392 14 480 716 40 13543 81120 27786 ... 61871 66987 59716 716 40 00000	USB	(Subilo)
S06	23-7	0420	9322	Mon	480 392 14 08146 21742 66713 ... 44965 83632 56323 392 14 480 716 40 13543 81120 27786 ... 61871 66987 59716 716 40 00000	USB	(Subilo)
S06	24-7	0400	11616	Thu	480 480 480 00000	USB	(Subilo)
S06	24-7	0420	9322	Thu	480 480 480 00000	USB	(Subilo)
S06	27-7	0400	11616	Sun	480 529 53 18851 97663 28633 ... 57201 66341 40589 529 53 00000	USB	(Subilo)
S06	27-7	0420	9322	Sun	480 529 53 18851 97663 28633 ... 57201 66341 40589 529 53 00000	USB	(Subilo)
S06	28-7	0400	11616	Mon	480 529 53 18851 97663 28633 ... 57201 66341 40589 529 53 00000	USB	(Subilo)
S06	28-7	0420	9322	Mon	480 529 53 18851 97663 28633 ... 57201 66341 40589 529 53 00000	USB	(Subilo)
S06	29-7	0400	11616	Sun	480 297 33 90976 00686 23510 ... 36129 33056 07325 297 33 480 613 25 24963 33928 73064 ... 60535 29140 28106 613 25 00000	USB	(Subilo)
S06	29-7	0420	9322	Sun	480 297 33 90976 00686 23510 ... 36129 33056 07325 297 33 480 613 25 24963 33928 73064 ... 60535 29140 28106 613 25 00000	USB	(Subilo)
S06	30-7	0400	11616	Mon	480 297 33 90976 00686 23510 ... 36129 33056 07325 297 33 480 613 25 24963 33928 73064 ... 60535 29140 28106 613 25 00000	USB	(Subilo)
S06	30-7	0420	9322	Mon	480 297 33 90976 00686 23510 ... 36129 33056 07325 297 33 480 613 25 24963 33928 73064 ... 60535 29140 28106 613 25 00000	USB	(Subilo)
S06	31-7	0400	11616	Thu	480 480 480 00000	USB	(Subilo)
S06	31-7	0420	9322	Thu	480 480 480 00000	USB	(Subilo)
S11a	1-7	0510	16357	Sun	655/34 Vnimanije 55810 92963 52737 ... 37789 57550 58369 Vnimanije (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	1-7	0735	18773	Sun	385/00 Konets	USB	(AB/Lac)
S11a	1-7	1850	12457	Sun	285/00 Konets	USB	(AB/Lac)
S11a	2-7	0445	9968	Mon	793/00 Konets	USB	(AB)
S11a	2-7	0700	9339	Mon	475/00 Konets	USB	(AB/Lac)
S11a	3-7	0735	18773	Thu	387/00 Konets	USB	(AB)
S11a	3-7	1040	6814	Thu	485/00 Konets	USB	(AB)
S11a	3-7	1400	9448	Thu	429/00 Konets	USB	(AB/Lac)
S11a	4-7	1850	12457	Fri	287/00 Konets	USB	(AB)
S11a	5-7	0830	5149	Sat	370/00 Konets	USB	(AB)
S11a	6-7	0700	9339	Sun	476/00 Konets	USB	(AB/Lac)
S11a	6-7	0915	6814	Sun	484/00 Konets	USB	(AB)
S11a	7-7	0445	9968	Mon	799/34 Vnimanije 74225 71989 56101 ... 38132 87370 95463 Vnimanije (message repeated) Konets	USB	(Subilo)
S11a	7-7	1400	9448	Mon	427/00 Konets	USB	(AB)
S11a	8-7	0735	18773	Sun	387/00 Konets	USB	(AB/Lac)
S11a	8-7	1850	12457	Sun	284/00 Konets	USB	(AB/Lac)
S11a	9-7	0445	9968	Mon	799/34 Vnimanije 74225 71989 56101 ... 38132 87370 95463 Vnimanije (message repeated) Konets	USB	(AB/Subilo)
S11a	9-7	0700	9339	Mon	479/00 Konets	USB	(AB)

S11a	10-7	0735	18773	Thu	384/00 Konets	USB	(AB)
S11a	10-7	1040	6814	Thu	480/00 Konets	USB	(AB/Lac)
S11a	10-7	1400	9448	Thu	422/00 Konets	USB	(AB/Lac)
S11a	11-7	0830	5149	Fri	370/00 Konets	USB	(AB/Lac)
S11a	11-7	1850	12457	Fri	282/00 Konets	USB	(AB/Lac)
S11a	12-7	0830	5149	Sat	377/00 Konets	USB	(AB/Lac)
S11a	13-7	0510	16357	Sun	Unreadable message	USB	(AB/Subilo)
S11a	13-7	0700	9339	Sun	476/33 Vnimanije 68869 40705 88440 ... 23134 60175 65480 Vnimanije (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	13-7	0915	6814	Sun	480/00 Konets	USB	(AB/Lac)
S11a	14-7	0445	9968	Mon	793/00 Konets	USB	(AB)
S11a	14-7	1400	9448	Mon	421/00 Konets	USB	(AB/Lac)
S11a	15-7	0510	16357	Sun	654/40 Vnimanije 86200 47887 64535 ... 52196 31111 (rest unreadbale)	USB	(AB)
S11a	15-7	0735	18773	Sun	382/32 Vnimanije 51775 40615 32860 ... 56478 55338 32227 Vnimanije (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	15-7	1850	12457	Sun	286/30 Vnimanije 26711 92614 76621 ... 48637 82589 80841 Vnimanije (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	16-7	0445	9968	Mon	790/00 Konets	USB	(AB)
S11a	16-7	0700	9339	Mon	476/33 Vnimanije 68869 40705 88440 ... 23134 60175 65480 Vnimanije (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	17-7	0735	18773	Thu	382/32 Vnimanije 51775 40615 32860 ... 56478 55338 32227 Vnimanije (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	17-7	1040	6814	Thu	487/00 Konets	USB	(AB/Lac)
S11a	17-7	1400	9448	Thu	421/00 Konets	USB	(AB/Lac)
S11a	18-7	0830	5149	Fri	378/35 Vnimanije 82212 50192 28831 ... 84188 69536 94441 Vnimanije (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	18-7	1850	12457	Fri	288/30 Vnimanije 34359 42139 90421 ... 42777 34772 72992 Vnimanije (message repeated) Konets	USB	(AB/Subilo)/Lc
S11a	19-7	0830	5149	Sat	378/35 Vnimanije 82212 50192 28831 ... 84188 69536 94441 Vnimanije (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	20-7	0510	16357	Sun	655/00 konets	USB	(AB)
S11a	20-7	0700	9339	Sun	478/00 Konets	USB	(AB/Lac)
S11a	20-7	0915	6814	Sun	485/00 Konets	USB	(AB/Lac)
S11a	21-7	0445	9968	Mon	798/00 Konets	USB	(AB/Lac)
S11a	21-7	1400	9448	Mon	424/00 Konets	USB	(AB/Lac)
S11a	22-7	0510	16357	Sun	656/00 Konets	USB	(AB/Lac)
S11a	22-7	0735	18773	Sun	385/00 Konets	USB	(AB/Lac)
S11a	22-7	1850	12457	Sun	287/00 Konets	USB	(AB/Lac)
S11a	23-7	0445	9968	Mon	796/00 Konets	USB	(AB)
S11a	23-7	0700	9339	Mon	477/00 Konets	USB	(AB/Lac)
S11a	24-7	0735	18773	Thu	384/00 Konets	USB	(AB/Lac)
S11a	24-7	1040	6814	Thu	482/00 Konets	USB	(AB)
S11a	24-7	1400	9448	Thu	424/00 Konets	USB	(AB)
S11a	25-7	0830	5149	Fri	379/00 Konets	USB	(AB)
S11a	25-7	1850	12457	Fri	286/00 Konets	USB	(AB)
S11a	26-7	0830	5149	Sat	376/00 Konets	USB	(AB)
S11a	27-7	0510	16357	Sun	651/00 konets	USB	(AB/Lac)
S11a	27-7	0700	9339	Sun	475/00 Konets	USB	(AB/Lac)
S11a	27-7	0915	6814	Sun	487/35 Vnimanije 42638 87765 10804 ... 66476 43352 83994 Vnimanije (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	28-7	0445	9968	Mon	796/00 Konets	USB	(AB)

S11a	28-7	1400	9448	Mon	424/31 Vnmaniye 46910 26763 94838 ... 97193 60060 77924 Vnmaniye (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	29-7	0735	18773	Sun	380/00 Konets	USB	(AB/Lac)
S11a	29-7	1850	12457	Sun	281/00 Konets	USB	(AB)
S11a	30-7	0445	9968	Mon	798/00 Konets	USB	(AB/Lac)
S11a	30-7	0700	9339	Mon	479/00 Konets	USB	(AB)
S11a	31-7	0735	18773	Thu	389/00 Konets	USB	(AB/Lac)
S11a	31-7	1040	6814	Thu	487/35 Vnmaniye 42638 87765 10804 ... 66476 43352 83994 Vnmaniye (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	31-7	1400	9448	Thu	424/31 Vnmaniye 46910 26763 94838 ... 97193 60060 77924 Vnmaniye (message repeated) Konets	USB	(AB/Subilo/Lac)
TUN	8-7	0545	16125	Sun	STAT155: MFA Tunis clg STAT16: Unid embassy	Mil-STD-188-141A	(AB)
TUN	8-7	0545	16125	Sun	STAT16: Unid Tunisian embassy clg STAT155: MFA Tunis	Mil-STD-188-141A	(AB)
TUN	9-7	0636	16125	Mon	STAT151: MFA Tunis sounding	Mil-STD-188-141A	(AB)
UM04	1-7	0700	4735	Sun	VVV VVV PROMRCh = 01 07 = 1000 0750 0780 0880 1300 ... 0800 0730 0750 0860 1180 = AR	CW	(AB-HNG)
UM04	2-7	0701	4735	Mon	VVV VVV PROMRCh = 02 07 = 1000 0750 0780 0890 1290 ... 0800 0730 0750 0860 1160 = AR	CW	(AB-HNG)
UM04	3-7	0700	4735	Thu	VVV VVV PROMRCh = 03 07 = 1000 0750 0770 0880 1300 ... 0800 0720 0750 0850 1180 = AR	CW	(AB-HNG)
UM04	4-7	0700	4735	Fri	VVV VVV PROMRCh = 04 07 = 1000 0750 0780 0880 1300 ... 0800 0720 0750 0850 1180 = AR	CW	(AB-HNG)
UM04	5-7	0700	4735	Sat	VVV VVV PROMRCh = 05 07 = 1000 0750 0780 0880 1300 ... 0800 0720 0750 0850 1180 = AR	CW	(AB-HNG)
UM04	6-7	0700	4735	Sun	VVV VVV PROMRCh = 06 07 = 1000 0750 0770 0880 1300 ... 0800 0720 0740 0850 1180 = AR	CW	(AB-HNG)
UM04	7-7	0700	4735	Mon	VVV VVV PROMRCh = 07 07 = 1000 0740 0770 0870 1300 ... 0800 0740 0740 0840 1170 = AR	CW	(AB-HNG)
UM04	8-7	0702	4735	Sun	VVV VVV PROMRCh = 08 07 = 1000 0730 0760 0860 1300 ... 0800 0700 0730 0830 1160 = AR	CW	(AB-HNG)
UM04	9-7	0700	4735	Mon	VVV VVV PROMRCh = 09 07 = 1000 0730 0750 0860 1300 ... 0800 0690 0720 0820 1160 = AR	CW	(AB-HNG)
UM04	10-7	0659	4735	Thu	VVV VVV PROMRCh = 10 07 = 1000 0730 0750 0860 1300 ... 0800 0690 0720 0820 1150 = AR	CW	(AB-HNG)
UM04	11-7	0700	4735	Fri	VVV VVV PROMRCh = 11 07 = 1000 0720 0750 0850 1300 ... 0800 0680 0710 0820 1160 = AR	CW	(AB-HNG)
UM04	12-7	0700	4735	Sat	VVV VVV PROMRCh = 12 07 = 1000 0710 0740 0840 1300 ... 0800 0680 0700 0810 1160 = AR	CW	(AB-HNG)
UM04	13-7	0700	4735	Sun	VVV VVV PROMRCh = 13 07 = 1000 0700 0730 0840 1300 ... 0800 0670 0700 0800 1150 = AR	CW	(Subilo)
UM04	14-7	0700	4735	Mon	VVV VVV PROMRCh = 14 07 = 1000 0700 0730 0830 1300 ... 0800 0660 0690 0800 1160 = AR	CW	(AB-HNG)
UM04	15-7	0702	4735	Sun	VVV VVV PROMRCh = 15 07 = 1000 0700 0730 0830 1300 ... 0800 0660 0690 0790 1160 = AR	CW	(AB-HNG)
UM04	16-7	0659	4735	Mon	VVV VVV PROMRCh = 16 07 = 1000 0700 0720 0830 1210 ... 0800 0650 0680 0790 1160 = AR	CW	(AB-HNG)
UM04	17-7	0700	4735	Thu	VVV VVV PROMRCh = 17 01 = 1000 0690 0720 0830 1310 ... 0800 0650 0680 0890 1150 = AR	CW	(AB-HNG)
UM04	18-7	0700	4735	Fri	VVV VVV PROMRCh = 18 07 = 1000 0690 0720 0830 1310 ... 0800 0650 0680 0780 1150 = AR	CW	(AB-HNG)
UM04	19-7	0700	4735	Sat	VVV VVV PROMRCh = 19 07 = 1000 0690 0720 0820 1310 ... 0800 0640 0670 0790 1150 = AR	CW	(AB-HNG)
UM04	20-7	0700	4735	Sun	VVV VVV PROMRCh = 20 07 = 1000 0680 0710 0820 1310 ... 0800 0630 0670 0770 1150 = AR	CW	(AB-GRC)
UM04	21-7	0700	4735	Mon	VVV VVV PROMRCh = 21 07 = 1000 0660 0690 0800 1310 ... 0800 0620 0650 0760 1150 = AR	CW	(Subilo)
UM04	22-7	0700	4735	Sun	VVV VVV PROMRCh = 22 07 = 1000 0660 0690 0800 1310 ... 0800 0620 0650 0760 1150 = AR	CW	(Subilo)
UM04	23-7	0700	4735	Mon	VVV VVV PROMRCh = 23 07 = 1000 0650 0680 0790 1310 ... 0800 0600 0630 0740 1150 = AR	CW	(Subilo)
UM04	24-7	0700	4735	Thu	VVV VVV PROMRCh = 24 07 = 1000 0680 0710 0810 1310 ... 0800 0630 0660 0770 1150 = AR	CW	(Subilo)
UM04	25-7	0700	4735	Fri	VVV VVV PROMRCh = 25 07 = 1000 0670 0700 0810 1310 ... 0800 0630 0660 0770 1140 = AR	CW	(AB-GRC)
UM04	26-7	0700	4735	Sat	VVV VVV PROMRCh = 26 07 = 1000 0670 0700 0810 1300 ... 0800 0630 0660 0770 1140 = AR	CW	(AB-HNG)
UM04	27-7	0700	4735	Sun	VVV VVV PROMRCh = 27 07 = 1000 0670 0700 0810 1310 ... 0800 0630 0660 0770 1140 = AR	CW	(AB-GRC)
UM04	28-7	0700	4735	Mon	VVV VVV PROMRCh = 28 07 = 1000 0710 0740 0850 1300 ... 0800 0650 0680 0780 1140 = AR	CW	(Subilo)
UM04	29-7	0700	4735	Sun	VVV VVV PROMRCh = 29 07 = 1000 0730 0750 0860 1300 ... 0800 0650 0680 0790 1140 = AR	CW	(Subilo)
UM04	30-7	0700	4735	Mon	VVV VVV PROMRCh = 30 07 = 1000 0730 0760 0860 1300 ... 0800 0660 0690 0790 1140 = AR	CW	(AB-GRC)
UM10	3-7	1525	3525	Thu	QK4S (R10m)	CW	(JPL)

UM10	3-7	1525	4310	Thu	QK4S (R10m)	CW	(JPL)
UM10	9-7	1520	3542	Mon	HDNA (R10m)	CW	(JPL)
UM10	14-7	2250	5918	Mon	QUXF (R10m)	CW	(JPL)
UM10	14-7	2250	6780	Mon	QUXF (R10m)	CW	(JPL)
UM10	16-7	1750	3542	Mon	HDNA (R10m)	CW	(JPL)
UM10	19-7	0920	5918	Sat	QUXF (R10m)	CW	(JPL)
UM10	19-7	0920	6780	Sat	QUXF (R10m)	CW	(JPL)
UM10	20-7	1550	3542	Sun	HDNA (R10m)	CW	(JPL)
UM10	20-7	1550	4116	Sun	HDNA (R10m)	CW	(JPL)
UM10	21-7	1620	3257	Mon	SDXL (R10m)	CW	(JPL)
UM10	21-7	1650	3542	Mon	HDNA (R10m)	CW	(JPL)
UM10	22-7	1115	6888	Sun	OB_2 (R10m) (incomplete c/s. Very weak	CW	(JPL)
UM10	22-7	1720	4116	Sun	HDNA (R10m)	CW	(JPL)
UM10	22-7	1720	4116	Sun	HDNA (R10m)	CW	(JPL)
UM10	23-7	1520	3257	Mon	SDXL (R10m)	CW	(JPL)
UM10	23-7	1550	3257	Mon	SDXL (R10m)	CW	(JPL)
UM10	23-7	1550	3629	Mon	SDXL (R10m)	CW	(JPL)
UM10	30-7	1550	3257	Mon	SDXL (R10m)	CW	(JPL)
UM10	30-7	1550	3629	Mon	SDXL (R10m)	CW	(JPL)
V07	5-7	0700	13978	Sat	931 931 931 1 1376 126 1376 126 27364 77285 00475 ... 86132 13851 26073 000 000	USB	(AB-KOR/Subilo/Lac)
V07	5-7	0720	13378	Sat	931 931 931 1 1376 126 1376 126 27364 77285 00475 ... 86132 13851 26073 000 000	USB	(AB-KOR/Subilo/Lac)
V07	5-7	0740	12178	Sat	931 931 931 1 1376 126 1376 126 27364 77285 00475 ... 86132 13851 26073 000 000	USB	(AB-KOR/Subilo/Lac)
V07	12-7	0700	13978	Sat	931 931 931 1 5089 97 5089 97 92174 41803 16294 ... 22383 53810 55249 000 000	USB	(AB-KOR/Subilo/Lac)
V07	12-7	0720	13378	Sat	931 931 931 1 5089 97 5089 97 92174 41803 16294 ... 22383 53810 55249 000 000	USB	(AB-KOR/Subilo/Lac)
V07	12-7	0740	12178	Sat	931 931 931 1 5089 97 5089 97 92174 41803 16294 ... 22383 53810 55249 000 000	USB	(AB-KOR/Subilo/Lac)
V07	19-7	0700	13978	Sat	931 931 931 1 9452 127 9452 127 13778 14073 34003 ... 24670 97281 12831 000 000	USB	(AB-KOR/Subilo/Lac)
V07	19-7	0720	13378	Sat	931 931 931 1 9452 127 9452 127 13778 14073 34003 ... 24670 97281 12831 000 000	USB	(AB-KOR/Subilo/Lac)
V07	19-7	0740	12178	Sat	931 931 931 1 9452 127 9452 127 13778 14073 34003 ... 24670 97281 12831 000 000	USB	(AB-KOR/Subilo/Lac)
V07	26-7	0700	13978	Sat	931 931 931 000	USB	(AB-KOR/Subilo/Lac)
V07	26-7	0720	13378	Sat	931 931 931 000	USB	(AB-KOR/Subilo/Lac)
V26	17-7	1140	6352	Thu	Voice traffic in Chinese //9042, 6352, 4156 kHz	USB	(JPL)
V26	31-7	1140	9042	Thu	Voice traffic in Chinese //9042, 6352, 4156 kHz	USB	(JPL)
X06	1-7	1110	18280	Sun	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(Rycat)
X06	1-7	1116	16115	Sun	MFA Moscow clg 215346: Russian Consulate General Mumbai	MSFK-6	(AB/Rycat)
X06	3-7	1025	14824	Thu	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(RO)
X06	3-7	1323	12200	Thu	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(Rycat)
X06	3-7	1329	16320	Thu	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(Rycat)
X06	3-7	1335	16320	Thu	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(Moon)
X06	3-7	1344	14720	Thu	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(Moon)
X06	7-7	0835	13401	Mon	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(Moon)
X06	10-7	0740	14863	Thu	MFA Moscow clg 615243: Russian Permanent Mission to the UN Geneva	MFSK-6	(RO)
X06	10-7	0820	10653	Thu	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(RO)

X06	12-7	1029	14414	Sat	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(RO)
X06	13-7	0848	19235	Sun	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(RO)
X06	14-7	0818	13420	Mon	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/Moon)
X06	15-7	1110	16115	Sun	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(Moon)
X06	15-7	1538	12186	Sun	MFA Moscow clg 214356: Russian embassy Amman	MFSK-6	(AB)
X06	21-7	0810	13411	Mon	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(Moon)
X06	26-7	0918	16060	Sat	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	26-7	1031	17430	Sat	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(RO)
X06	27-7	0817	20690	Sun	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(RO)
X06	27-7	0944	19235	Sun	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(RO)
X06	28-7	0748	10767	Mon	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(Moon)
X06	28-7	0755	16257	Mon	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(RO)
X06	28-7	1002	14970	Mon	MFA Moscow clg Russian Consulate General Chennai	MFSK-6	(AB/RO)
X06	28-7	1008	20813	Mon	MFA Moscow clg Russian Consulate General Chennai	MFSK-6	(AB/RO)
XPA1	1-7	1210	13368	Sun	311 311 311 000 03723 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	1-7	1230	12168	Sun	311 311 311 000 03723 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	1-7	1250	11168	Sun	311 311 311 000 03723 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	3-7	1210	13368	Thu	311 311 311 000 07008 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	3-7	1230	12168	Thu	311 311 311 000 07008 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	3-7	1250	11168	Thu	311 311 311 000 07008 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	8-7	1210	13368	Sun	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	8-7	1230	12168	Sun	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	8-7	1250	11168	Sun	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	10-7	1210	13368	Thu	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	10-7	1230	12168	Thu	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	10-7	1250	11168	Thu	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	15-7	1210	13368	Sun	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	15-7	1230	12168	Sun	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	15-7	1250	11168	Sun	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	17-7	1210	13368	Thu	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	17-7	1230	12168	Thu	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	17-7	1250	11168	Thu	311 311 311 1 09662 00142 12786 ... 78290 72743 56477	MFSK-17/10Bd	(AB)
XPA1	22-7	1210	13368	Sun	311 311 311 000 08273 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	22-7	1230	12168	Sun	311 311 311 000 08273 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	22-7	1250	11168	Sun	311 311 311 000 08273 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	24-7	1210	13368	Thu	311 311 311 000 04305 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	24-7	1230	12168	Thu	311 311 311 000 04305 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	24-7	1250	11168	Thu	311 311 311 000 04305 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	29-7	1210	13368	Sun	311 311 311 000 04095 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	29-7	1230	12168	Sun	311 311 311 000 04095 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	29-7	1250	11168	Sun	311 311 311 000 04095 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	31-7	1210	13368	Thu	311 311 311 000 09747 00001 00000 10140	MFSK-17/10Bd	(AB)

XPA1	31-7	1230	12168	Thu	311 311 311 000 09747 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA1	31-7	1250	11168	Thu	311 311 311 000 09747 00001 00000 10140	MFSK-17/10Bd	(AB)
XPA2	1-7	0700	14837	Sun	03238 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	1-7	0720	15854	Sun	03238 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	1-7	0740	16326	Sun	03238 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	1-7	0910	19345	Sun	05909 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	1-7	0930	18495	Sun	05909 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	1-7	0950	16279	Sun	05909 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	1-7	1800	17474	Sun	07883 00225 72809 ... 18687 42602 26752	MFSK-14/7.8125Bd	(AB)
XPA2	1-7	1820	16274	Sun	07883 00225 72809 ... 18687 42602 26752	MFSK-14/7.8125Bd	(AB)
XPA2	1-7	1840	14574	Sun	07883 00225 72809 ... 18687 42602 26752	MFSK-14/7.8125Bd	(AB)
XPA2	2-7	0900	18371	Mon	00598 00099 76330 ... 68811 92768 75367	MFSK-14/7.8125Bd	(AB)
XPA2	2-7	0920	17457	Mon	00598 00099 76330 ... 68811 92768 75367	MFSK-14/7.8125Bd	(AB)
XPA2	2-7	0940	16279	Mon	00598 00099 76330 ... 68811 92768 75367	MFSK-14/7.8125Bd	(AB)
XPA2	2-7	1100	18031	Mon	00687 00120 06970 ... 06859 40603 51202	MFSK-14/7.8125Bd	(AB)
XPA2	2-7	1120	16132	Mon	00687 00120 06970 ... 06859 40603 51202	MFSK-14/7.8125Bd	(AB)
XPA2	2-7	1140	14731	Mon	00687 00120 06970 ... 06859 40603 51202	MFSK-14/7.8125Bd	(AB)
XPA2	2-7	1700	18235	Mon	01083 00188 37527 ... 70995 91747 01225	MFSK-14/7.8125Bd	(AB)
XPA2	2-7	1720	17437	Mon	01083 00188 37527 ... 70995 91747 01225	MFSK-14/7.8125Bd	(AB)
XPA2	2-7	1740	16179	Mon	01083 00188 37527 ... 70995 91747 01225	MFSK-14/7.8125Bd	(AB)
XPA2	3-7	1100	14958	Thu	08455 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	3-7	1120	13958	Thu	08455 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	3-7	1140	12158	Thu	08455 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	3-7	1800	17474	Thu	07883 00225 72809 ... 18687 42602 26752	MFSK-14/7.8125Bd	(AB)
XPA2	3-7	1820	16274	Thu	07883 00225 72809 ... 18687 42602 26752	MFSK-14/7.8125Bd	(AB)
XPA2	3-7	1840	14574	Thu	07883 00225 72809 ... 18687 42602 26752	MFSK-14/7.8125Bd	(AB)
XPA2	4-7	0900	18371	Fri	00598 00099 76330 ... 68811 92768 75367	MFSK-14/7.8125Bd	(AB)
XPA2	4-7	0920	17457	Fri	00598 00099 76330 ... 68811 92768 75367	MFSK-14/7.8125Bd	(AB)
XPA2	4-7	0940	16279	Fri	00598 00099 76330 ... 68811 92768 75367	MFSK-14/7.8125Bd	(AB)
XPA2	6-7	0700	14837	Sun	06551 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	6-7	0720	15854	Sun	06551 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	6-7	0740	16326	Sun	06551 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	6-7	0910	19345	Sun	08285 00044 50673 ... 11959 51162 06340	MFSK-14/7.8125Bd	(AB)
XPA2	6-7	0930	18495	Sun	08285 00044 50673 ... 11959 51162 06340	MFSK-14/7.8125Bd	(AB)
XPA2	6-7	0950	16297	Sun	08285 00044 50673 ... 11959 51162 06340	MFSK-14/7.8125Bd	(AB)
XPA2	7-7	1100	14958	Mon	05001 00072 45305 ... 92218 91340 23626	MFSK-14/7.8125Bd	(AB)
XPA2	7-7	1120	13958	Mon	05001 00072 45305 ... 92218 91340 23626	MFSK-14/7.8125Bd	(AB)
XPA2	7-7	1140	12158	Mon	05001 00072 45305 ... 92218 91340 23626	MFSK-14/7.8125Bd	(AB)
XPA2	7-7	1700	18235	Mon	04307 00001 00000 36254	MFSK-14/7.8125Bd	(AB)
XPA2	7-7	1720	17437	Mon	04307 00001 00000 36254	MFSK-14/7.8125Bd	(AB)
XPA2	7-7	1740	16179	Mon	04307 00001 00000 36254	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	0700	14837	Sun	07010 00001 00000 10140	MFSK-14/7.8125Bd	(AB)

XPA2	8-7	0720	15854	Sun	07010 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	0740	16326	Sun	07010 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	0910	19345	Sun	08285 00044 50673 ... 11959 51162 06340	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	0930	18495	Sun	08285 00044 50673 ... 11959 51162 06340	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	0950	16279	Sun	08285 00044 50673 ... 11959 51162 06340	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	1100	18031	Sun	00514 00070 93226 ... 01641 71614 06071	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	1120	16132	Sun	00514 00070 93226 ... 01641 71614 06071	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	1140	14731	Sun	00514 00070 93226 ... 01641 71614 06071	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	1800	17474	Sun	03565 00179 91046 ... 10583 05390 45421	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	1820	16274	Sun	03565 00179 91046 ... 10583 05390 45421	MFSK-14/7.8125Bd	(AB)
XPA2	8-7	1840	14574	Sun	03565 00179 91046 ... 10583 05390 45421	MFSK-14/7.8125Bd	(AB)
XPA2	9-7	0900	18371	Mon	05704 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	9-7	0920	17457	Mon	05704 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	9-7	0940	16279	Mon	05704 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	9-7	1100	18031	Mon	00514 00070 93226 ... 01641 71614 06071	MFSK-14/7.8125Bd	(AB)
XPA2	9-7	1120	16132	Mon	00514 00070 93226 ... 01641 71614 06071	MFSK-14/7.8125Bd	(AB)
XPA2	9-7	1140	14731	Mon	00514 00070 93226 ... 01641 71614 06071	MFSK-14/7.8125Bd	(AB)
XPA2	9-7	1700	18235	Mon	08027 00001 00000 34662	MFSK-14/7.8125Bd	(AB)
XPA2	9-7	1720	17437	Mon	08027 00001 00000 34662	MFSK-14/7.8125Bd	(AB)
XPA2	9-7	1740	16179	Mon	08027 00001 00000 34662	MFSK-14/7.8125Bd	(AB)
XPA2	10-7	1100	14958	Thu	05001 00072 45305 ... 92218 91340 23626	MFSK-14/7.8125Bd	(AB)
XPA2	10-7	1120	13958	Thu	05001 00072 45305 ... 92218 91340 23626	MFSK-14/7.8125Bd	(AB)
XPA2	10-7	1140	12158	Thu	05001 00072 45305 ... 92218 91340 23626	MFSK-14/7.8125Bd	(AB)
XPA2	10-7	1800	17474	Thu	03565 00179 91046 ... 10583 05390 45421	MFSK-14/7.8125Bd	(AB)
XPA2	10-7	1820	16274	Thu	03565 00179 91046 ... 10583 05390 45421	MFSK-14/7.8125Bd	(AB)
XPA2	10-7	1840	14574	Thu	03565 00179 91046 ... 10583 05390 45421	MFSK-14/7.8125Bd	(AB)
XPA2	11-7	0900	18371	Fri	04629 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	11-7	0920	17457	Fri	04629 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	11-7	0940	16279	Fri	04629 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	11-7	1500	18034	Fri	04727 00001 00000 40256	MFSK-14/7.8125Bd	(AB)
XPA2	11-7	1520	17469	Fri	Test tone. No transmission	MFSK-14/7.8125Bd	(AB)
XPA2	11-7	1540	16091	Fri	04727 00001 00000 40256	MFSK-14/7.8125Bd	(AB)
XPA2	13-7	0700	14837	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	13-7	0720	15854	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	13-7	0740	16326	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	13-7	0910	19345	Sun	04753 00075 24510 ... 64313 93487 62521	MFSK-14/7.8125Bd	(AB)
XPA2	13-7	0930	18495	Sun	04753 00075 24510 ... 64313 93487 62521	MFSK-14/7.8125Bd	(AB)
XPA2	13-7	0950	16297	Sun	04753 00075 24510 ... 64313 93487 62521	MFSK-14/7.8125Bd	(AB)
XPA2	13-7	1500	18034	Sun	00985 00113 33060 ... 12571 70527 13760	MFSK-14/7.8125Bd	(AB)
XPA2	13-7	1520	17469	Sun	00985 00113 33060 ... 12571 70527 13760	MFSK-14/7.8125Bd	(AB)
XPA2	13-7	1540	16091	Sun	00985 00113 33060 ... 12571 70527 13760	MFSK-14/7.8125Bd	(AB)
XPA2	14-7	1100	14958	Mon	05235 00055 48825 ... 93412 70862 77100	MFSK-14/7.8125Bd	(AB)

XPA2	14-7	1120	13958	Mon	05235 00055 48825 ... 93412 70862 77100	MFSK-14/7.8125Bd	(AB)
XPA2	14-7	1140	12158	Mon	05235 00055 48825 ... 93412 70862 77100	MFSK-14/7.8125Bd	(AB)
XPA2	14-7	1700	18235	Mon	00911 00160 99497 ... 66714 08479 21563	MFSK-14/7.8125Bd	(AB)
XPA2	14-7	1720	17437	Mon	00911 00160 99497 ... 66714 08479 21563	MFSK-14/7.8125Bd	(AB)
XPA2	14-7	1740	16179	Mon	00911 00160 99497 ... 66714 08479 21563	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	0700	14837	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	0720	15854	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	0740	16326	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	0910	19345	Sun	04753 00075 24510 ... 64313 93487 62521	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	0930	18495	Sun	04753 00075 24510 ... 64313 93487 62521	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	0950	16297	Sun	04753 00075 24510 ... 64313 93487 62521	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	1100	18031	Sun	02976 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	1120	16132	Sun	02976 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	1140	14731	Sun	02976 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	1800	17474	Sun	02322 00180 06309 ... 65514 28182 73123	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	1820	16274	Sun	02322 00180 06309 ... 65514 28182 73123	MFSK-14/7.8125Bd	(AB)
XPA2	15-7	1840	14574	Sun	02322 00180 06309 ... 65514 28182 73123	MFSK-14/7.8125Bd	(AB)
XPA2	16-7	0900	18371	Mon	06406 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	16-7	0920	17457	Mon	06406 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	16-7	0940	16279	Mon	06406 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	16-7	1100	18031	Mon	03526 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	16-7	1120	16132	Mon	03526 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	16-7	1140	14731	Mon	03526 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	16-7	1700	18235	Mon	00911 00160 99497 ... 66714 08479 21563	MFSK-14/7.8125Bd	(AB)
XPA2	16-7	1720	17437	Mon	00911 00160 99497 ... 66714 08479 21563	MFSK-14/7.8125Bd	(AB)
XPA2	16-7	1740	16179	Mon	00911 00160 99497 ... 66714 08479 21563	MFSK-14/7.8125Bd	(AB)
XPA2	17-7	1100	14958	Thu	05235 00055 48825 ... 93412 70862 77100	MFSK-14/7.8125Bd	(AB)
XPA2	17-7	1120	13958	Thu	05235 00055 48825 ... 93412 70862 77100	MFSK-14/7.8125Bd	(AB)
XPA2	17-7	1140	12158	Thu	05235 00055 48825 ... 93412 70862 77100	MFSK-14/7.8125Bd	(AB)
XPA2	17-7	1800	17474	Thu	02322 00180 06309 ... 65514 28182 73123	MFSK-14/7.8125Bd	(AB)
XPA2	17-7	1820	16274	Thu	02322 00180 06309 ... 65514 28182 73123	MFSK-14/7.8125Bd	(AB)
XPA2	17-7	1840	14574	Thu	02322 00180 06309 ... 65514 28182 73123	MFSK-14/7.8125Bd	(AB)
XPA2	18-7	0900	18371	Fri	01529 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	18-7	0920	17457	Fri	01529 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	18-7	0940	16279	Fri	01529 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	18-7	1500	18034	Fri	00985 00113 33060 ... 12571 70527 13760	MFSK-14/7.8125Bd	(AB)
XPA2	18-7	1520	17469	Fri	00985 00113 33060 ... 12571 70527 13760	MFSK-14/7.8125Bd	(AB)
XPA2	18-7	1540	16091	Fri	00985 00113 33060 ... 12571 70527 13760	MFSK-14/7.8125Bd	(AB)
XPA2	20-7	0700	14837	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	20-7	0720	15854	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	20-7	0740	16326	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	20-7	0910	19345	Sun	04299 00001 00000 10140	MFSK-14/7.8125Bd	(AB)

XPA2	20-7	0930	18495	Sun	04299 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	20-7	0950	16297	Sun	04299 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	20-7	1500	18034	Sun	04519 00001 00000 40255	MFSK-14/7.8125Bd	(AB)
XPA2	20-7	1520	17469	Sun	04519 00001 00000 40255	MFSK-14/7.8125Bd	(AB)
XPA2	20-7	1540	16091	Sun	04519 00001 00000 40255	MFSK-14/7.8125Bd	(AB)
XPA2	21-7	1100	14958	Mon	05832 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	21-7	1120	13958	Mon	05832 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	21-7	1140	12158	Mon	05832 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	21-7	1700	18235	Mon	02907 00001 00000 41252	MFSK-14/7.8125Bd	(AB)
XPA2	21-7	1720	17437	Mon	02907 00001 00000 41252	MFSK-14/7.8125Bd	(AB)
XPA2	21-7	1740	16179	Mon	02907 00001 00000 41252	MFSK-14/7.8125Bd	(AB)
XPA2	22-7	0700	14837	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	22-7	0720	15854	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	22-7	0740	16326	Sun	00393 00264 68695 ... 92020 20826 13530	MFSK-14/7.8125Bd	(AB)
XPA2	22-7	0910	19345	Sun	05389 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-7	0930	18495	Sun	05389 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-7	0950	16297	Sun	05389 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-7	1100	18031	Sun	07676 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-7	1120	16132	Sun	07676 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-7	1140	14731	Sun	07676 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-7	1800	17474	Sun	07681 00093 26189 ... 93847 14097 46441	MFSK-14/7.8125Bd	(AB\RL-G)
XPA2	22-7	1820	16274	Sun	07681 00093 26189 ... 93847 14097 46441	MFSK-14/7.8125Bd	(AB\RL-G)
XPA2	22-7	1840	14574	Sun	07681 00093 26189 ... 93847 14097 46441	MFSK-14/7.8125Bd	(AB\RL-G)
XPA2	23-7	0900	18371	Mon	01730 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	23-7	0920	17457	Mon	01730 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	23-7	0940	16279	Mon	01730 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	23-7	1100	18031	Mon	03907 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	23-7	1120	16132	Mon	03907 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	23-7	1140	14731	Mon	03907 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	23-7	1700	18235	Mon	06233 00001 00000 33661	MFSK-14/7.8125Bd	(AB)
XPA2	23-7	1720	17437	Mon	06233 00001 00000 33661	MFSK-14/7.8125Bd	(AB)
XPA2	23-7	1740	16179	Mon	06233 00001 00000 33661	MFSK-14/7.8125Bd	(AB)
XPA2	24-7	1100	14958	Thu	03314 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	24-7	1120	13958	Thu	03314 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	24-7	1140	12158	Thu	03314 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	24-7	1800	17474	Thu	07681 00093 26189 ... 93847 14097 46441	MFSK-14/7.8125Bd	(AB)
XPA2	24-7	1820	16274	Thu	07681 00093 26189 ... 93847 14097 46441	MFSK-14/7.8125Bd	(AB)
XPA2	24-7	1840	14574	Thu	07681 00093 26189 ... 93847 14097 46441	MFSK-14/7.8125Bd	(AB)
XPA2	25-7	0900	18371	Fri	07054 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	25-7	0920	17457	Fri	07054 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	25-7	0940	16279	Fri	07054 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	25-7	1500	18034	Fri	04490 00001 00000 33265	MFSK-14/7.8125Bd	(AB)

XPA2	25-7	1520	17469	Fri	04490 00001 00000 33265	MFSK-14/7.8125Bd	(AB)
XPA2	25-7	1540	16091	Fri	04490 00001 00000 33265	MFSK-14/7.8125Bd	(AB)
XPA2	27-7	0700	14837	Sun	09730 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	27-7	0720	15854	Sun	09730 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	27-7	0740	16326	Sun	09730 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	27-7	0910	19345	Sun	03183 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	27-7	0930	18495	Sun	03183 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	27-7	0950	16297	Sun	03183 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	27-7	1500	18034	Sun	08882 00165 62512 ... 37172 46668 60052	MFSK-14/7.8125Bd	(AB)
XPA2	27-7	1520	17469	Sun	08882 00165 62512 ... 37172 46668 60052	MFSK-14/7.8125Bd	(AB)
XPA2	27-7	1540	16091	Sun	08882 00165 62512 ... 37172 46668 60052	MFSK-14/7.8125Bd	(AB)
XPA2	28-7	1100	14958	Mon	09298 00078 73905 ... 97511 94056 35004	MFSK-14/7.8125Bd	(AB)
XPA2	28-7	1120	13958	Mon	09298 00078 73905 ... 97511 94056 35004	MFSK-14/7.8125Bd	(AB)
XPA2	28-7	1140	12158	Mon	09298 00078 73905 ... 97511 94056 35004	MFSK-14/7.8125Bd	(AB)
XPA2	28-7	1700	18235	Mon	09362 00195 61382 ... 36100 07459 30263	MFSK-14/7.8125Bd	(AB)
XPA2	28-7	1720	17437	Mon	09362 00195 61382 ... 36100 07459 30263	MFSK-14/7.8125Bd	(AB)
XPA2	28-7	1740	16179	Mon	09362 00195 61382 ... 36100 07459 30263	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	0700	14837	Sun	07210 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	0720	15854	Sun	07210 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	0740	16326	Sun	07210 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	0910	19345	Sun	09290 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	0930	18495	Sun	09290 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	0950	16297	Sun	09290 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	1100	18031	Sun	00794 00050 65391 ... 77285 80069 32322	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	1120	16132	Sun	00794 00050 65391 ... 77285 80069 32322	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	1140	14731	Sun	00794 00050 65391 ... 77285 80069 32322	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	1800	17474	Sun	07542 00112 92056 ... 74498 12837 22200	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	1820	16274	Sun	07542 00112 92056 ... 74498 12837 22200	MFSK-14/7.8125Bd	(AB)
XPA2	29-7	1840	14574	Sun	07542 00112 92056 ... 74498 12837 22200	MFSK-14/7.8125Bd	(AB)
XPA2	30-7	0900	18371	Mon	00344 00140 60357 ... 28304 49152 02023	MFSK-14/7.8125Bd	(AB)
XPA2	30-7	0920	17457	Mon	00344 00140 60357 ... 28304 49152 02023	MFSK-14/7.8125Bd	(AB)
XPA2	30-7	0940	16279	Mon	00344 00140 60357 ... 28304 49152 02023	MFSK-14/7.8125Bd	(AB)
XPA2	30-7	1100	18031	Mon	00794 00050 65391 ... 77285 80069 32322	MFSK-14/7.8125Bd	(AB)
XPA2	30-7	1120	16132	Mon	00794 00050 65391 ... 77285 80069 32322	MFSK-14/7.8125Bd	(AB)
XPA2	30-7	1140	14731	Mon	00794 00050 65391 ... 77285 80069 32322	MFSK-14/7.8125Bd	(AB)
XPA2	30-7	1700	18235	Mon	09362 00195 61382 ... 36100 07459 30263	MFSK-14/7.8125Bd	(AB)
XPA2	30-7	1720	17437	Mon	09362 00195 61382 ... 36100 07459 30263	MFSK-14/7.8125Bd	(AB)
XPA2	30-7	1740	16179	Mon	09362 00195 61382 ... 36100 07459 30263	MFSK-14/7.8125Bd	(AB)
XPA2	31-7	1120	13958	Thu	09298 00078 73905 ... 97511 94056 35004	MFSK-14/7.8125Bd	(AB)
XPA2	31-7	1140	12158	Thu	09298 00078 73905 ... 97511 94056 35004	MFSK-14/7.8125Bd	(AB)
XPA2	31-7	1800	17474	Thu	07542 00112 92056 ... 74498 12837 22200	MFSK-14/7.8125Bd	(AB)
XPA2	31-7	1820	16274	Thu	07542 00112 92056 ... 74498 12837 22200	MFSK-14/7.8125Bd	(AB)

XPA2	31-7	1840	14574	Thu	07542 00112 92056 ... 74498 12837 22200	MFSK-14/7.8125Bd	(AB)
XPB1	2-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	3-7	0500	18687	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	0510	18287	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	0520	16287	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	0530	15887	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	0540	14487	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	0550	13387	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1300	20024	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1310	19224	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1320	18324	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1330	17424	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1340	16324	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1350	15824	Thu	Russian intel.	MFSK-16	(AB)
XPB1	6-7	0500	18687	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6-7	0510	18287	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6-7	0520	16287	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6-7	0530	15887	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6-7	0540	14487	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6-7	0550	13387	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1300	20024	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1310	19224	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1320	18324	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1330	17424	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1340	16324	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1350	15824	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)

XPB1	9-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0500	18687	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0510	18287	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0520	16287	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0530	15887	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0540	14487	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0550	13387	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1300	20024	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1310	19224	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1320	18324	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1330	17424	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1340	16324	Thu	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1350	15824	Thu	Russian intel.	MFSK-16	(AB)
XPB1	13-7	0500	18687	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13-7	0510	18287	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13-7	0520	16287	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13-7	0530	15887	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13-7	0540	14487	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13-7	0550	13387	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1300	20024	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1310	19224	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1320	18324	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1330	17424	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1340	16324	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1350	15824	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0500	18687	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0510	18287	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0520	16287	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0530	15887	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0540	14487	Thu	Russian intel.	MFSK-16	(AB)

XPB1	17-7	0550	13387	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1300	20024	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1310	19224	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1320	18324	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1330	17424	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1340	16324	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1350	15824	Thu	Russian intel.	MFSK-16	(AB)
XPB1	20-7	0500	18687	Sun	Russian intel.	MFSK-16	(AB)
XPB1	20-7	0510	18287	Sun	Russian intel.	MFSK-16	(AB)
XPB1	20-7	0520	16287	Sun	Russian intel.	MFSK-16	(AB)
XPB1	20-7	0530	15887	Sun	Russian intel.	MFSK-16	(AB)
XPB1	20-7	0540	14487	Sun	Russian intel.	MFSK-16	(AB)
XPB1	20-7	0550	13387	Sun	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	1300	20024	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	1310	19224	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	1320	18324	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	1330	17424	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	1340	16324	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	1350	15824	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0500	18687	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0510	18287	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0520	16287	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0530	15887	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0540	14487	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0550	13387	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1300	20024	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1310	19224	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1320	18324	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1330	17424	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1340	16324	Thu	Russian intel.	MFSK-16	(AB)

XPB1	24-7	1350	15824	Thu	Russian intel.	MFSK-16	(AB)
XPB1	27-7	0500	18687	Sun	Russian intel.	MFSK-16	(AB)
XPB1	27-7	0510	18287	Sun	Russian intel.	MFSK-16	(AB)
XPB1	27-7	0520	16287	Sun	Russian intel.	MFSK-16	(AB)
XPB1	27-7	0530	15887	Sun	Russian intel.	MFSK-16	(AB)
XPB1	27-7	0540	14487	Sun	Russian intel.	MFSK-16	(AB)
XPB1	27-7	0550	13387	Sun	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1300	20024	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1310	19224	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1320	18324	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1330	17424	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1340	16324	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1350	15824	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0500	18687	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0510	18287	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0520	16287	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0530	15887	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0540	14487	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0550	13387	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1300	20024	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1310	19224	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1320	18324	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1330	17424	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1340	16324	Thu	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1350	15824	Thu	Russian intel.	MFSK-16	(AB)

LIST OF ACTIVE STATIONS

Prefixes

E	English language	Q	4+4 QPSK mode
F	FSK (Frequency Shift Keying) modes	S	Slavic languages
G	German language	SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
HM	Hybrid modes	UM(C)	Unid Morse station (Chinese)
M(C)	Morse code (Chinese)	V	Voice broadcasts in other languages
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes	VC	Voice Chinese
		X	MFSK modes

Notes :

There is no solid proof that the mentioned operators are correct.

Russian G06, V06 and other variants are not in the list but are occasionally used for exercises

Code	Description	Country	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgs	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating sequences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	
M21	14 fig msgs. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army
M51b	Non-stop 5-character groups	F		French army
M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			
M89	Markers like V YHxD YHxD YHxD DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military
M89v	M89 voice transmissions	CHN		Chinese military

M95	Markers and 4FG messages. Cut numbers. Morse counterpart of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB and 4+4 QPSK 75/1000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROMRCh = 27 09 = 1000 0600 0640 0780 1160 ... ABV repeat message = AR. Origin: Bulgaria	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units)	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese military
V32	Tavajjoh (Attention) followed by strings of figures in Farsi			
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active since at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-17/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-14/7.8125Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy
X--	21-tone MFSK with 125 Hz tone spacing + 13-tone MFSK with 250 Hz spacing	RUA	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence

APPENDIX

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- - . . - -
C	- . . .	3	. . . - -	Colon	[:]	- - - . . .
D	- . .	4	 -	Question mark	[?]	. . - - . .
E	.	5		Exclamation mark	[!]	- . . - - -
F	. . - .	6	-	Apostrophe	[']	. - - - - .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H		8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - . -
K	- . -			Quotation marks	[" "]	. - . . .
L	. - . .			Equals sign	[BT =]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .			Plus sign	[+]	. - . - .
O	- - -			Invitation to transmit		- . -
P	. - - .			Wait	[AS]	. - . . .
Q	- - . -			End of Transmission	[SK, VA]	. . . - . -
R	. - .	Ü	- - - .	End of message	[AR]	. - . - .
S	. . .		. . - -	Starting signal		- . . - . -
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - . -
W	. - -			Ampersand	[&]	. - . . .
X	- . . -					
Y	- . - -					
Z	- - . .					

For Cyrillic morse etc., see also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

Chinese cut numbers
(M89, M95, MC03, etc)

A U 3 4 5 6 7 D N T
1 2 3 4 5 6 7 8 9 0

M08a cut numbers

A N D U W R I G M T
1 2 3 4 5 6 7 8 9 0

Q26 conversion

F J B P G U Y M C W
0 1 2 3 4 5 6 7 8 9

3rd shift Cyrillic RTTY as used by M42b

Q W E R T Y U I O P (K V Z
1 2 3 4 5 6 7 8 9 0 K = - +

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	- . . - .
Out	Out	Konets	

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itzien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	nul	Null	Zero
1	. — — — —	Một	Van	adinka	Eins	One
2	.. — — —	Hai	To	dvoyka	Twso	Two
3	... — —	Ba	Fwee	troyka	Drei	Three
4	 —	Bô'n	Fo	chetvyorka	Vier	Four
5		Năm	Fav	petyorka	Funuf	Fiver
6	—	Sáu	Six	shest	Sechs	Six
7	— — ...	Ba y	Seven	syem	Sieben	Seven
8	— — — ..	Tám	Eight	vosyem	Acht	Eight
9	— — — — .	Chín	Nine	dyevyet	Neugen	Niner
=	— . . . —					
/	— . . — .					

Note: E17z, M03 and M08a are defunct.



COLOPHON

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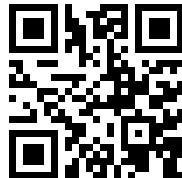
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976 27364 92836 89428 61288 14982 30498 32704 81276 81
086 40932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 1
7591 87364 87265 96718 27638 12673 84769 28743 98127 5
758 63298 75698 27465 87326 49876 28376 81273 98615 86
67 87432 74328 78674 29867 32867 67867 86786 43276 48
67 68768 68763 34234 34238 68768 62342 48273 48768 23
936 98432 32432 86743 43286 43286 43286 43286 43286 43
743 86743 86743 39867 32867 86743 43286 43286 43243 86
751 86743 86743 86743 86743 86743 86743 86743 86743 86
543 98798 98754 98754 98754 98754 29867 67543 67986 86
76 87698 69876 87698 69876 87612 12341 34867 86798 65
667 43298 65656 56756 56123 32143 14321 32143 14321 321
68 87287 58765 76587 58765 76587 58765 76587 58756 765
86743 86743 86743 86743 86743 86743 86743 86743 86743

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